Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\
Data File : VL032743.D
Acq On : 14 Nov 2018 3:08
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
11/16/2018 1:29:42 PM

Quant Time: Nov 14 05:53:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1684331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4210053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4352065	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2905778	8.86	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 88.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	502442	2.615	ppbv	97
3) Chlorodifluoromethane	3.02	51	280438	2.105	ppbv	96
4) Chloromethane	3.18	50	152061	2.054	ppbv	93
5) Vinyl Chloride	3.30	62	152832	1.908	ppbv	100
6) Bromomethane	3.52	94	100747	2.001	ppbv	100
7) Chloroethane	3.61	64	56587	1.912	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	395473	2.155	ppbv	98
9) Propene	3.04	41	111253	2.053	ppbv	98
10) Heptane	8.25	43	430549	2.047	ppbv	100
11) Trichlorofluoromethane	4.01	101	436265	1.913	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	378763	2.056	ppbv	100
13) Ethanol	3.66	45	38525	2.516	ppbv	98
14) Bromoethene	3.80	108	127795	2.016	ppbv	98
15) Acetone	3.91	43	280522	1.792	ppbv	97
16) 1,3-Butadiene	3.37	39	126773	2.136	ppbv	92
17) tert-Butyl alcohol	4.38	59	96079m	2.172	ppbv	
18) 1,1-Dichloroethene	4.36	96	183586	2.209	ppbv	94
19) Isopropyl Alcohol	4.04	45	190438	1.745	ppbv #	98
20) Methylene Chloride	4.42	84	170107	2.135	ppbv	95
21) Allyl Chloride	4.48	41	275976	2.203	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	190650	2.230	ppbv	95
23) Vinyl Acetate	5.16	43	544234	1.926	ppbv	98
24) 1,1-Dichloroethane	5.10	63	440707	1.983	ppbv	98
25) Ethyl Acetate	5.78	43	754476	2.105	ppbv	99
26) Hexane	5.79	57	343110	2.034	ppbv	97
27) Carbon Disulfide	4.63	76	399220	1.973	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	513650	2.052	ppbv	99
29) Chloroform	5.85	83	590170	2.162	ppbv	98
30) Cyclohexane	7.26	84	292583	2.162	ppbv	86
31) cis-1,2-Dichloroethene	5.65	61	334011	2.120	ppbv	96
32) 1,1,1-Trichloroethane	6.63	97	625726	2.236	ppbv	99
34) 2-Butanone	5.34	43	464668	2.056	ppbv	99
35) Carbon Tetrachloride	7.14	117	667046	2.211	ppbv	97
36) Benzene	7.01	78	705075	2.073	ppbv	99
37) 1,2-Dichloroethane	6.42	62	468225	2.215	ppbv	99
38) Trichloroethene	7.97	130	282165	2.215	ppbv	95
39) 1,2-Dichloropropane	7.74	63	262749	2.001	ppbv	97
40) 1,4-Dioxane	7.98	88	101703m	2.277	ppbv	
41) Tetrahydrofuran	6.17	42	274288	2.193	ppbv	99
42) Bromodichloromethane	7.92	83	656528	2.222	ppbv	97
43) Methyl Methacrylate	8.15	69	270716	2.166	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	1254458	2.159	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	347065	2.074	ppbv		99
46) cis-1,3-Dichloropropene	8.85	75	424328	2.183	ppbv		91
47) 1,1,2-Trichloroethane	9.62	97	334910	2.159	ppbv		94
48) Dibromochloromethane	10.46	129	541245	2.071	ppbv		99
49) Bromoform	13.21	173	480382	2.341	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	754178	2.231	ppbv		98
51) 2-Hexanone	10.29	43	470744	1.935	ppbv	#	98
52) Tetrachloroethene	11.38	164	246038	2.064	ppbv		92
53) Toluene	9.96	91	773342	2.011	ppbv		100
54) 1,2-Dibromoethane	10.77	107	469836	2.252	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	428878	2.219	ppbv	#	1
57) Chlorobenzene	12.31	112	701578	2.167	ppbv		100
58) Ethyl Benzene	12.87	91	1168566	2.288	ppbv		100
59) m/p-Xylene	13.13	91	2057622m	4.526	ppbv		
60) o-Xylene	13.85	91	1014975	2.299	ppbv		99
61) Styrene	13.69	104	678601	2.297	ppbv		99
62) Isopropylbenzene	14.83	105	1303799	2.090	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	720640	2.099	ppbv		98
64) n-propylbenzene	15.73	120	341588	2.187	ppbv		96
65) tert-Butylbenzene	16.92	119	1206886	2.245	ppbv		97
66) Benzyl Chloride	17.16	91	635242	2.263	ppbv		99
67) sec-Butylbenzene	17.47	105	1730105	2.267	ppbv		100
69) p-Isopropyltoluene	17.82	119	1386331	2.287	ppbv		100
70) n-Butylbenzene	18.72	91	1418650	2.282	ppbv		98
71) 2-Chlorotoluene	15.63	91	993114	2.217	ppbv		100
72) 4-Ethyltoluene	16.01	105	1073806	2.259	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	1033486	2.231	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	1111320	2.249	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	637498	2.240	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	581123	2.208	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	590953	2.201	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	291677	2.144	ppbv		98
79) Naphthalene	22.42	128	760406	2.447	ppbv		97
80) Naphthalene,2-methyl-	25.13	142	173249	2.329	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	366206	2.304	ppbv		99

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

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