Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071818\
Data File : VL032260.D
Acq On : 18 Jul 2018 10:00
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 18 12:44:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 1
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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7/20/2018 2:53:03 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1762808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3870172	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4410288	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3479406	10.19	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	626654	2.47	ppbv	99
3) Chlorodifluoromethane	3.06	51	413075	1.91	ppbv	100
4) Chloromethane	3.22	50	233988	1.90	ppbv	98
5) Vinyl Chloride	3.34	62	225481	1.86	ppbv	97
6) Bromomethane	3.57	94	125281	1.85	ppbv	100
7) Chloroethane	3.66	64	83770	2.00	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	508535	1.82	ppbv	100
9) Propene	3.09	41	182889	1.98	ppbv	99
10) Heptane	8.33	43	541859	2.07	ppbv	99
11) Trichlorofluoromethane	4.07	101	487800	2.01	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	314084	2.03	ppbv	98
13) Ethanol	3.71	45	49805m	1.87	ppbv	
14) Bromoethene	3.85	108	142134	1.94	ppbv	100
15) Acetone	3.97	43	387151	1.89	ppbv	100
16) 1,3-Butadiene	3.41	39	211344	2.04	ppbv	98
17) tert-Butyl alcohol	4.43	59	117744	1.23	ppbv	99
18) 1,1-Dichloroethene	4.42	96	151083	2.09	ppbv	96
19) Isopropyl Alcohol	4.09	45	238915	1.78	ppbv #	98
20) Methylene Chloride	4.47	84	153371	2.21	ppbv	94
21) Allyl Chloride	4.55	41	253215	2.11	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	152604	2.22	ppbv	99
23) Vinyl Acetate	5.22	43	686267	2.02	ppbv	99
24) 1,1-Dichloroethane	5.16	63	508347	2.13	ppbv	99
25) Ethyl Acetate	5.85	43	845040	2.09	ppbv	99
26) Hexane	5.86	57	401174	2.17	ppbv	96
27) Carbon Disulfide	4.69	76	341547	2.07	ppbv	96
28) Methyl tert-Butyl Ether	5.19	73	583582	2.01	ppbv	99
29) Chloroform	5.92	83	569026	2.00	ppbv	99
30) Cyclohexane	7.33	84	322451	1.98	ppbv	88
31) cis-1,2-Dichloroethene	5.71	61	368726	2.00	ppbv	98
32) 1,1,1-Trichloroethane	6.70	97	590918	2.14	ppbv	99
34) 2-Butanone	5.41	43	564263	2.14	ppbv	100
35) Carbon Tetrachloride	7.22	117	565726	2.16	ppbv	98
36) Benzene	7.09	78	837908	2.18	ppbv	99
37) 1,2-Dichloroethane	6.49	62	472328	2.24	ppbv	100
38) Trichloroethene	8.04	130	270727	2.05	ppbv	93
39) 1,2-Dichloropropane	7.82	63	317292	2.08	ppbv	98
40) 1,4-Dioxane	8.06	88	85354	1.63	ppbv #	1
41) Tetrahydrofuran	6.23	42	331155	2.24	ppbv	99
42) Bromodichloromethane	8.00	83	607013	2.02	ppbv	99
43) Methyl Methacrylate	8.22	69	317838	2.14	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	1426294	2.16	ppbv		98
45) t-1,3-Dichloropropene	9.50	75	417692	2.36	ppbv		97
46) cis-1,3-Dichloropropene	8.92	75	465900	1.93	ppbv		98
47) 1,1,2-Trichloroethane	9.70	97	324742	1.90	ppbv		96
48) Dibromochloromethane	10.54	129	535759	2.11	ppbv		99
49) Bromoform	13.30	173	450474	2.21	ppbv		99
50) 4-Methyl-2-Pentanone	8.96	43	880529	1.93	ppbv		99
51) 2-Hexanone	10.37	43	765606m	2.01	ppbv		
52) Tetrachloroethene	11.46	164	273181	1.92	ppbv		97
53) Toluene	10.03	91	1022968	2.25	ppbv		99
54) 1,2-Dibromoethane	10.85	107	541991	2.15	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.37	131	425408	2.22	ppbv	#	1
57) Chlorobenzene	12.40	112	779033	2.09	ppbv		97
58) Ethyl Benzene	12.95	91	1338708	2.08	ppbv		99
59) m/p-Xylene	13.24	91	2262808m	4.28	ppbv		
60) o-Xylene	13.94	91	1187195	2.28	ppbv		100
61) Styrene	13.78	104	827117	2.12	ppbv		99
62) Isopropylbenzene	14.92	105	1639326	2.24	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.93	83	919625	2.17	ppbv		99
64) n-propylbenzene	15.81	120	429789	2.32	ppbv		88
65) tert-Butylbenzene	17.00	119	1471192	2.40	ppbv		98
66) Benzyl Chloride	17.25	91	781355	2.52	ppbv		100
67) sec-Butylbenzene	17.55	105	2215525	2.48	ppbv		99
69) p-Isopropyltoluene	17.91	119	1715230	2.46	ppbv		100
70) n-Butylbenzene	18.80	91	1906411	2.48	ppbv		99
71) 2-Chlorotoluene	15.71	91	1371109	2.38	ppbv		99
72) 4-Ethyltoluene	16.09	105	1362939	2.33	ppbv		99
73) 1,3,5-Trimethylbenzene	16.25	105	1338100	2.46	ppbv		99
74) 1,2,4-Trimethylbenzene	17.02	105	1423556	2.56	ppbv		97
75) 1,3-Dichlorobenzene	17.25	146	763529	2.30	ppbv		98
76) 1,4-Dichlorobenzene	17.40	146	745115	2.29	ppbv		99
77) 1,2-Dichlorobenzene	18.08	146	740792m	2.25	ppbv		
78) Hexachloro-1,3-Butadiene	23.63	225	244209	2.38	ppbv		97
79) Naphthalene	22.52	128	1285532	3.44	ppbv		98
80) Naphthalene,2-methyl-	25.19	142	577857	4.84	ppbv		99
81) 1,2,4-Trichlorobenzene	22.25	180	607984	3.25	ppbv		99

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

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