Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080519\
Data File : VL034093.D
Acq On : 5 Aug 2019 18:07
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080519

Manual Integrations APPROVED
MMDadoda
8/8/2019 12:41:38 PM

Quant Time: Aug 05 19:36:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 0
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1142433	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	2368513	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2388760m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2028585	10.47	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1356350	9.647	ppbv	98
3) Chlorodifluoromethane	2.98	51	1080948	8.182	ppbv	100
4) Chloromethane	3.14	50	701569	8.237	ppbv	98
5) Vinyl Chloride	3.26	62	633243	8.439	ppbv	100
6) Bromomethane	3.48	94	332282	8.569	ppbv	92
7) Chloroethane	3.57	64	229829	8.175	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1310218	8.078	ppbv	98
9) Propene	3.01	41	638384	8.197	ppbv	98
10) Heptane	8.19	43	1647287	8.177	ppbv	99
11) Trichlorofluoromethane	3.97	101	1348264	8.088	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	952010	8.094	ppbv	97
13) Ethanol	3.62	45	109536	4.990	ppbv	95
14) Bromoethene	3.75	108	434368	8.269	ppbv	98
15) Acetone	3.87	43	1159812	7.104	ppbv	100
16) 1,3-Butadiene	3.33	39	659383	8.306	ppbv	99
17) tert-Butyl alcohol	4.32	59	1229490	8.071	ppbv	99
18) 1,1-Dichloroethene	4.31	96	445820	8.014	ppbv	96
19) Isopropyl Alcohol	3.99	45	935887	7.363	ppbv	98
20) Methylene Chloride	4.37	84	393380	8.035	ppbv	96
21) Allyl Chloride	4.44	41	916809	8.114	ppbv	98
22) trans-1,2-Dichloroethene	4.92	96	438414	8.110	ppbv	97
23) Vinyl Acetate	5.11	43	2138558	7.901	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1296495	8.050	ppbv	99
25) Ethyl Acetate	5.72	43	2509137	7.814	ppbv	100
26) Hexane	5.73	57	1084996	7.972	ppbv	98
27) Carbon Disulfide	4.58	76	1204480	8.394	ppbv	99
28) Methyl tert-Butyl Ether	5.07	73	1814130	7.970	ppbv	99
29) Chloroform	5.80	83	1519616	8.213	ppbv	99
30) Cyclohexane	7.20	84	903927	8.407	ppbv	97
31) cis-1,2-Dichloroethene	5.60	61	1094665	8.142	ppbv	99
32) 1,1,1-Trichloroethane	6.57	97	1468948	8.022	ppbv	100
34) 2-Butanone	5.29	43	1739650	7.900	ppbv	99
35) Carbon Tetrachloride	7.08	117	1432975	7.883	ppbv	96
36) Benzene	6.96	78	2153490	8.000	ppbv	98
37) 1,2-Dichloroethane	6.36	62	1185199	8.183	ppbv	99
38) Trichloroethene	7.91	130	741454	7.112	ppbv	97
39) 1,2-Dichloropropane	7.69	63	890563	8.199	ppbv	98
40) 1,4-Dioxane	7.90	88	308750	7.533	ppbv #	99
41) Tetrahydrofuran	6.10	42	1109031	8.187	ppbv	99
42) Bromodichloromethane	7.87	83	1677022	8.259	ppbv	98
43) Methyl Methacrylate	8.08	69	908240	8.225	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3704737	7.686	ppbv		99
45) t-1,3-Dichloropropene	9.36	75	1193300	8.525	ppbv		99
46) cis-1,3-Dichloropropene	8.79	75	1349425	8.353	ppbv		96
47) 1,1,2-Trichloroethane	9.56	97	855181	8.235	ppbv		98
48) Dibromochloromethane	10.40	129	1359708	8.166	ppbv		99
49) Bromoform	13.15	173	1227641	8.246	ppbv		99
50) 4-Methyl-2-Pentanone	8.82	43	2628764	7.844	ppbv		99
51) 2-Hexanone	10.22	43	2248930	7.985	ppbv	#	99
52) Tetrachloroethene	11.32	164	730784	7.029	ppbv		97
53) Toluene	9.89	91	2461085	7.922	ppbv		100
54) 1,2-Dibromoethane	10.70	107	1281549	8.146	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.22	131	903091	8.269	ppbv		94
57) Chlorobenzene	12.25	112	1732817	8.055	ppbv		98
58) Ethyl Benzene	12.81	91	3246890	8.083	ppbv		99
59) m/p-Xylene	13.09	91	5234123m	16.234	ppbv		
60) o-Xylene	13.79	91	2573650	7.988	ppbv		100
61) Styrene	13.63	104	2150007	8.407	ppbv		99
62) Isopropylbenzene	14.77	105	3413818	7.893	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.78	83	1828810	7.857	ppbv		100
64) n-propylbenzene	15.67	120	936279	8.190	ppbv		97
65) tert-Butylbenzene	16.85	119	2998539	7.783	ppbv		99
66) Benzyl Chloride	17.10	91	1847132	8.661	ppbv		99
67) sec-Butylbenzene	17.40	105	4201255	7.727	ppbv		100
69) p-Isopropyltoluene	17.76	119	3493154	7.789	ppbv		99
70) n-Butylbenzene	18.66	91	3866318	7.992	ppbv		100
71) 2-Chlorotoluene	15.56	91	2809616	8.079	ppbv		99
72) 4-Ethyltoluene	15.95	105	3097031	8.167	ppbv		99
73) 1,3,5-Trimethylbenzene	16.10	105	2940857	8.061	ppbv		99
74) 1,2,4-Trimethylbenzene	16.88	105	2949326	7.771	ppbv		93
75) 1,3-Dichlorobenzene	17.11	146	1708881	8.039	ppbv		100
76) 1,4-Dichlorobenzene	17.25	146	1763804	8.121	ppbv		99
77) 1,2-Dichlorobenzene	17.93	146	1718676	8.201	ppbv		100
78) Hexachloro-1,3-Butadiene	23.49	225	1463497	8.810	ppbv		99
79) Naphthalene	22.34	128	2992751	7.593	ppbv		99
80) Naphthalene,2-methyl-	25.06	142	1341224	10.851	ppbv		97
81) 1,2,4-Trichlorobenzene	22.07	180	1702984	7.783	ppbv		100

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

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