Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\
Data File : VL034171.D
Acq On : 17 Sep 2019 4:51
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 06:08:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 1
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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9/20/2019 12:43:54 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	1334626	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.23	114	2260462	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.17	117	2389349	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.50	95	2008380	10.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	500233	2.363	ppbv		93
3) Chlorodifluoromethane	2.98	51	323809	2.145	ppbv		97
4) Chloromethane	3.13	50	184710	1.987	ppbv		97
5) Vinyl Chloride	3.25	62	166163	1.960	ppbv		92
6) Bromomethane	3.47	94	79377	1.919	ppbv		98
7) Chloroethane	3.56	64	57520	1.985	ppbv		97
8) Dichlorotetrafluoroethane	3.18	85	371147	2.101	ppbv		98
9) Propene	3.00	41	160829	1.951	ppbv		100
10) Heptane	8.18	43	428008	1.991	ppbv		98
11) Trichlorofluoromethane	3.96	101	386993	2.153	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	245497	2.055	ppbv		98
13) Ethanol	3.61	45	43877m	2.730	ppbv		
14) Bromoethene	3.74	108	100046	1.940	ppbv		100
15) Acetone	3.85	43	394640	2.449	ppbv		99
16) 1,3-Butadiene	3.32	39	170673	2.101	ppbv		94
17) tert-Butyl alcohol	4.31	59	174124	1.499	ppbv		100
18) 1,1-Dichloroethene	4.30	96	110099	2.028	ppbv		97
19) Isopropyl Alcohol	3.98	45	174280	1.616	ppbv	#	97
20) Methylene Chloride	4.36	84	110278	2.090	ppbv		93
21) Allyl Chloride	4.42	41	209569	1.982	ppbv		98
22) trans-1,2-Dichloroethene	4.91	96	102853	1.886	ppbv		97
23) Vinyl Acetate	5.10	43	573878	2.116	ppbv		98
24) 1,1-Dichloroethane	5.03	63	375079	2.075	ppbv		98
25) Ethyl Acetate	5.71	43	729550	2.073	ppbv		98
26) Hexane	5.72	57	308713	1.974	ppbv		98
27) Carbon Disulfide	4.57	76	274300	1.954	ppbv		97
28) Methyl tert-Butyl Ether	5.06	73	440578	1.944	ppbv		98
29) Chloroform	5.78	83	426238	2.020	ppbv		96
30) Cyclohexane	7.18	84	210622	1.884	ppbv		85
31) cis-1,2-Dichloroethene	5.58	61	298184	1.989	ppbv		98
32) 1,1,1-Trichloroethane	6.56	97	384910	1.929	ppbv		99
34) 2-Butanone	5.27	43	493620	2.234	ppbv		100
35) Carbon Tetrachloride	7.06	117	388436	2.175	ppbv		96
36) Benzene	6.94	78	532567	2.063	ppbv		96
37) 1,2-Dichloroethane	6.35	62	377568	2.309	ppbv		100
38) Trichloroethene	7.89	130	185003	1.912	ppbv		96
39) 1,2-Dichloropropane	7.66	63	234060m	2.099	ppbv		
40) 1,4-Dioxane	7.90	88	72033m	1.783	ppbv		
41) Tetrahydrofuran	6.10	42	280401m	2.131	ppbv		
42) Bromodichloromethane	7.85	83	460769	2.201	ppbv		99
43) Methyl Methacrylate	8.07	69	223566	2.097	ppbv		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	1052093	2.186	ppbv		98
45) t-1,3-Dichloropropene	9.34	75	258103	2.048	ppbv		96
46) cis-1,3-Dichloropropene	8.77	75	318527	2.080	ppbv		94
47) 1,1,2-Trichloroethane	9.54	97	213453	2.113	ppbv		95
48) Dibromochloromethane	10.37	129	342654	2.243	ppbv		99
49) Bromoform	13.12	173	283772	2.140	ppbv		99
50) 4-Methyl-2-Pentanone	8.81	43	730016	2.170	ppbv		97
51) 2-Hexanone	10.21	43	639950	2.206	ppbv	#	95
52) Tetrachloroethene	11.30	164	165903	1.824	ppbv		94
53) Toluene	9.87	91	592063	2.071	ppbv		98
54) 1,2-Dibromoethane	10.69	107	319460	2.115	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.20	131	230078	2.220	ppbv	#	1
57) Chlorobenzene	12.23	112	438655	2.127	ppbv		98
58) Ethyl Benzene	12.79	91	833001	2.122	ppbv		99
59) m/p-Xylene	13.07	91	1406343m	4.391	ppbv		
60) o-Xylene	13.77	91	710683m	2.225	ppbv		
61) Styrene	13.61	104	509794	2.146	ppbv		98
62) Isopropylbenzene	14.75	105	915672	2.203	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.76	83	520672	1.997	ppbv		100
64) n-propylbenzene	15.65	120	224906m	2.157	ppbv		
65) tert-Butylbenzene	16.83	119	802464	2.232	ppbv		99
66) Benzyl Chloride	17.08	91	262649	2.020	ppbv		98
67) sec-Butylbenzene	17.39	105	1162062	2.244	ppbv		98
69) p-Isopropyltoluene	17.74	119	943944	2.277	ppbv		99
70) n-Butylbenzene	18.64	91	1099349	2.321	ppbv		97
71) 2-Chlorotoluene	15.54	91	742868	2.187	ppbv		99
72) 4-Ethyltoluene	15.93	105	799114	2.214	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	783706	2.235	ppbv		100
74) 1,2,4-Trimethylbenzene	16.85	105	817739	2.257	ppbv	#	91
75) 1,3-Dichlorobenzene	17.09	146	427629	2.227	ppbv		100
76) 1,4-Dichlorobenzene	17.23	146	437047	2.176	ppbv		98
77) 1,2-Dichlorobenzene	17.91	146	438952	2.236	ppbv		98
78) Hexachloro-1,3-Butadiene	23.47	225	299972	2.264	ppbv		98
79) Naphthalene	22.32	128	747924	2.307	ppbv	#	94
80) Naphthalene,2-methyl-	25.06	142	359863	3.278	ppbv		98
81) 1,2,4-Trichlorobenzene	22.05	180	402947m	2.275	ppbv		

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

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