Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\
Data File : VL034173.D
Acq On : 17 Sep 2019 6:09
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 12:53:39 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 : VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:44:00 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	1295474	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	2156251	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.17	117	2190184	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.50	95	1926154	10.66	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	115211	0.561	ppbv		95
3) Chlorodifluoromethane	2.97	51	79679	0.544	ppbv		97
4) Chloromethane	3.13	50	48521	0.538	ppbv	#	86
5) Vinyl Chloride	3.25	62	39103	0.475	ppbv	#	83
6) Bromomethane	3.47	94	20099	0.501	ppbv		95
7) Chloroethane	3.55	64	15122m	0.538	ppbv		
8) Dichlorotetrafluoroethane	3.18	85	91841	0.536	ppbv		97
9) Propene	3.00	41	37624	0.470	ppbv		98
10) Heptane	8.18	43	98951	0.474	ppbv		99
11) Trichlorofluoromethane	3.95	101	91183	0.523	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	60999m	0.526	ppbv		
13) Ethanol	3.61	45	10736m	0.688	ppbv		
14) Bromoethene	3.74	108	22572	0.451	ppbv		90
15) Acetone	3.86	43	101332	0.648	ppbv		99
16) 1,3-Butadiene	3.32	39	36585	0.464	ppbv		96
17) tert-Butyl alcohol	4.32	59	62940	0.558	ppbv		97
18) 1,1-Dichloroethene	4.30	96	25647	0.487	ppbv		87
19) Isopropyl Alcohol	3.98	45	65922	0.630	ppbv	#	95
20) Methylene Chloride	4.35	84	28873	0.564	ppbv		100
21) Allyl Chloride	4.43	41	48204	0.470	ppbv		92
22) trans-1,2-Dichloroethene	4.91	96	24509m	0.463	ppbv		
23) Vinyl Acetate	5.10	43	126254	0.480	ppbv	#	96
24) 1,1-Dichloroethane	5.03	63	90852m	0.518	ppbv		
25) Ethyl Acetate	5.72	43	180788	0.529	ppbv		99
26) Hexane	5.72	57	71982	0.474	ppbv		91
27) Carbon Disulfide	4.57	76	55692	0.409	ppbv	#	87
28) Methyl tert-Butyl Ether	5.07	73	102314	0.465	ppbv		99
29) Chloroform	5.79	83	104065	0.508	ppbv		89
30) Cyclohexane	7.18	84	48347m	0.446	ppbv		
31) cis-1,2-Dichloroethene	5.58	61	71726	0.493	ppbv	#	89
32) 1,1,1-Trichloroethane	6.55	97	91311	0.471	ppbv		97
34) 2-Butanone	5.28	43	116324	0.552	ppbv		99
35) Carbon Tetrachloride	7.07	117	86649	0.509	ppbv		89
36) Benzene	6.93	78	128298	0.521	ppbv		95
37) 1,2-Dichloroethane	6.35	62	87184	0.559	ppbv		98
38) Trichloroethene	7.89	130	42302	0.458	ppbv	#	80
39) 1,2-Dichloropropane	7.67	63	56596m	0.532	ppbv		
40) 1,4-Dioxane	7.92	88	18520m	0.480	ppbv		
41) Tetrahydrofuran	6.10	42	58649m	0.467	ppbv		
42) Bromodichloromethane	7.84	83	102542m	0.514	ppbv		
43) Methyl Methacrylate	8.07	69	48428m	0.476	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	256683m	0.559	ppbv		
45) t-1,3-Dichloropropene	9.35	75	46056m	0.383	ppbv		
46) cis-1,3-Dichloropropene	8.77	75	61636	0.422	ppbv		87
47) 1,1,2-Trichloroethane	9.54	97	52819m	0.548	ppbv		
48) Dibromochloromethane	10.37	129	75810m	0.520	ppbv		
49) Bromoform	13.12	173	56577m	0.447	ppbv		
50) 4-Methyl-2-Pentanone	8.82	43	166555	0.519	ppbv		91
51) 2-Hexanone	10.21	43	123269	0.445	ppbv	#	100
52) Tetrachloroethene	11.29	164	42480m	0.490	ppbv		
53) Toluene	9.87	91	133901	0.491	ppbv		94
54) 1,2-Dibromoethane	10.68	107	72312m	0.502	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.21	131	51563m	0.543	ppbv		
57) Chlorobenzene	12.22	112	111958	0.592	ppbv		95
58) Ethyl Benzene	12.79	91	194630	0.541	ppbv		91
59) m/p-Xylene	13.08	91	321403m	1.095	ppbv		
60) o-Xylene	13.78	91	160286	0.547	ppbv		100
61) Styrene	13.61	104	105336	0.484	ppbv		99
62) Isopropylbenzene	14.75	105	211100	0.554	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.76	83	125423	0.525	ppbv		100
64) n-propylbenzene	15.65	120	51310m	0.537	ppbv		
65) tert-Butylbenzene	16.84	119	181781m	0.552	ppbv		
66) Benzyl Chloride	17.08	91	41374m	0.347	ppbv		
67) sec-Butylbenzene	17.38	105	258877m	0.545	ppbv		
69) p-Isopropyltoluene	17.74	119	208108m	0.548	ppbv		
70) n-Butylbenzene	18.64	91	246767	0.568	ppbv		94
71) 2-Chlorotoluene	15.54	91	165718	0.532	ppbv		100
72) 4-Ethyltoluene	15.93	105	179762m	0.543	ppbv		
73) 1,3,5-Trimethylbenzene	16.09	105	170296	0.530	ppbv		94
74) 1,2,4-Trimethylbenzene	16.85	105	194674m	0.586	ppbv		
75) 1,3-Dichlorobenzene	17.09	146	101215m	0.575	ppbv		
76) 1,4-Dichlorobenzene	17.23	146	104388m	0.567	ppbv		
77) 1,2-Dichlorobenzene	17.91	146	105613m	0.587	ppbv		
78) Hexachloro-1,3-Butadiene	23.46	225	70325m	0.579	ppbv		
79) Naphthalene	22.32	128	151710m	0.511	ppbv		
80) Naphthalene,2-methyl-	25.05	142	74812	0.743	ppbv		97
81) 1,2,4-Trichlorobenzene	22.04	180	90926m	0.560	ppbv		

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

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