Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
Data File : VL035171.D
Acq On : 8 Jul 2020 4:33
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 08 06:50:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 0
QLast Update : Wed Jul 08 06:17:02 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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7/9/2020 12:02:33 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1237043	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3029341	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2715220	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2270637	10.06	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	115919m	0.692	ppbv		
3) Chlorodifluoromethane	2.94	51	76121	0.562	ppbv		100
4) Chloromethane	3.09	50	42942	0.567	ppbv		95
5) Vinyl Chloride	3.21	62	41818	0.576	ppbv	#	88
6) Bromomethane	3.43	94	25067	0.552	ppbv		94
7) Chloroethane	3.51	64	16545m	0.600	ppbv		
8) Dichlorotetrafluoroethane	3.14	85	114725	0.640	ppbv		97
9) Propene	2.96	41	25060	0.470	ppbv		87
10) Heptane	8.13	43	60550	0.436	ppbv		99
11) Trichlorofluoromethane	3.92	101	113335	0.628	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	80250	0.642	ppbv		95
13) Ethanol	3.57	45	10428	0.528	ppbv		83
14) Bromoethene	3.70	108	29650	0.554	ppbv		92
15) Acetone	3.83	43	106163	0.706	ppbv		99
16) 1,3-Butadiene	3.29	39	33271	0.510	ppbv		94
17) tert-Butyl alcohol	4.27	59	79522	0.594	ppbv		95
18) 1,1-Dichloroethene	4.26	96	33375	0.593	ppbv		94
19) Isopropyl Alcohol	3.95	45	57857m	0.598	ppbv		
20) Methylene Chloride	4.31	84	48593	0.794	ppbv		94
21) Allyl Chloride	4.38	41	53941	0.605	ppbv		98
22) trans-1,2-Dichloroethene	4.86	96	34455	0.649	ppbv	#	73
23) Vinyl Acetate	5.05	43	80921	0.450	ppbv	#	91
24) 1,1-Dichloroethane	4.99	63	85726	0.562	ppbv	#	96
25) Ethyl Acetate	5.66	43	133350	0.497	ppbv		98
26) Hexane	5.66	57	58293m	0.481	ppbv		
27) Carbon Disulfide	4.52	76	84275	0.651	ppbv	#	91
28) Methyl tert-Butyl Ether	5.02	73	85550	0.501	ppbv		96
29) Chloroform	5.73	83	105625	0.556	ppbv		94
30) Cyclohexane	7.12	84	37954m	0.438	ppbv		
31) cis-1,2-Dichloroethene	5.53	61	51906	0.468	ppbv	#	87
32) 1,1,1-Trichloroethane	6.50	97	93072	0.526	ppbv		97
34) 2-Butanone	5.23	43	76420	0.446	ppbv		100
35) Carbon Tetrachloride	7.01	117	100624	0.552	ppbv		97
36) Benzene	6.88	78	101537	0.438	ppbv		94
37) 1,2-Dichloroethane	6.29	62	78430	0.531	ppbv		97
38) Trichloroethene	7.84	130	40169m	0.442	ppbv		
39) 1,2-Dichloropropane	7.62	63	41795	0.462	ppbv	#	86
40) 1,4-Dioxane	7.87	88	17014m	0.465	ppbv		
41) Tetrahydrofuran	6.05	42	33576m	0.385	ppbv		
42) Bromodichloromethane	7.79	83	97644m	0.509	ppbv		
43) Methyl Methacrylate	8.02	69	35683	0.363	ppbv		95

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	169182	0.417	ppbv		94
45) t-1,3-Dichloropropene	9.29	75	36422m	0.380	ppbv		
46) cis-1,3-Dichloropropene	8.71	75	43937m	0.370	ppbv		
47) 1,1,2-Trichloroethane	9.48	97	46462m	0.467	ppbv		
48) Dibromochloromethane	10.32	129	68324	0.457	ppbv		93
49) Bromoform	13.07	173	60370m	0.474	ppbv		
50) 4-Methyl-2-Pentanone	8.76	43	94643	0.385	ppbv		100
51) 2-Hexanone	10.16	43	65530m	0.342	ppbv		
52) Tetrachloroethene	11.25	164	38389m	0.467	ppbv		
53) Toluene	9.82	91	86590m	0.349	ppbv		
54) 1,2-Dibromoethane	10.63	107	64626m	0.438	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.14	131	64517m	0.574	ppbv		
57) Chlorobenzene	12.16	112	113125	0.564	ppbv	#	87
58) Ethyl Benzene	12.73	91	125722m	0.410	ppbv		
59) m/p-Xylene	13.02	91	245232m	0.902	ppbv		
60) o-Xylene	13.71	91	122613m	0.452	ppbv		
61) Styrene	13.56	104	59931m	0.351	ppbv		
62) Isopropylbenzene	14.70	105	185619m	0.458	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.70	83	113879m	0.519	ppbv		
64) n-propylbenzene	15.59	120	46918m	0.454	ppbv		
65) tert-Butylbenzene	16.78	119	164358m	0.471	ppbv		
66) Benzyl Chloride	17.03	91	53780	0.488	ppbv	#	86
67) sec-Butylbenzene	17.33	105	241129	0.481	ppbv		99
69) p-Isopropyltoluene	17.68	119	177924m	0.445	ppbv		
70) n-Butylbenzene	18.59	91	185889	0.431	ppbv		98
71) 2-Chlorotoluene	15.48	91	134614	0.440	ppbv		96
72) 4-Ethyltoluene	15.87	105	124559m	0.411	ppbv		
73) 1,3,5-Trimethylbenzene	16.03	105	127057m	0.442	ppbv		
74) 1,2,4-Trimethylbenzene	16.79	105	158382m	0.493	ppbv		
75) 1,3-Dichlorobenzene	17.04	146	119239m	0.623	ppbv		
76) 1,4-Dichlorobenzene	17.17	146	99519m	0.542	ppbv		
77) 1,2-Dichlorobenzene	17.86	146	94195m	0.534	ppbv		
78) Hexachloro-1,3-Butadiene	23.42	225	84251m	0.543	ppbv		
79) Naphthalene	22.25	128	70947m	0.259	ppbv		
80) Naphthalene,2-methyl-	25.03	142	5722	0.057	ppbv	#	77
81) 1,2,4-Trichlorobenzene	21.98	180	58516m	0.367	ppbv		

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

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