Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061621\
Data File : VL037167.D
Acq On : 16 Jun 2021 11:19
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 16 12:22:39 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1487231	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	4412580	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	4007988	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2993828	10.14	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	164165	0.693	ppbv		96
3) Chlorodifluoromethane	2.99	51	158305	0.567	ppbv		99
4) Chloromethane	3.14	50	52391	0.551	ppbv		97
5) Vinyl Chloride	3.26	62	52484	0.571	ppbv		97
6) Bromomethane	3.48	94	35779m	0.612	ppbv		
7) Chloroethane	3.56	64	21013m	0.586	ppbv		
8) Dichlorotetrafluoroethane	3.19	85	150018	0.593	ppbv		99
9) Propene	3.01	41	47546	0.517	ppbv		86
10) Heptane	8.13	43	112271	0.512	ppbv		97
11) Trichlorofluoromethane	3.95	101	150471	0.560	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	105717	0.573	ppbv		100
13) Ethanol	3.63	45	9679m	0.761	ppbv		
14) Bromoethene	3.74	108	40850	0.512	ppbv	#	94
15) Acetone	3.87	43	99938m	0.562	ppbv		
16) 1,3-Butadiene	3.33	39	49489m	0.515	ppbv		
17) tert-Butyl alcohol	4.33	59	76901m	0.499	ppbv		
18) 1,1-Dichloroethene	4.29	96	48994m	0.589	ppbv		
19) Isopropyl Alcohol	4.00	45	52134m	0.534	ppbv		
20) Methylene Chloride	4.35	84	60977m	0.786	ppbv		
21) Allyl Chloride	4.42	41	65988m	0.555	ppbv		
22) trans-1,2-Dichloroethene	4.89	96	43973m	0.543	ppbv		
23) Vinyl Acetate	5.09	43	111199m	0.476	ppbv		
24) 1,1-Dichloroethane	5.01	63	102716	0.548	ppbv		99
25) Ethyl Acetate	5.69	43	181861	0.522	ppbv	#	98
26) Hexane	5.69	57	101671	0.586	ppbv		94
27) Carbon Disulfide	4.56	76	79725m	0.453	ppbv		
28) Methyl tert-Butyl Ether	5.05	73	113636m	0.523	ppbv		
29) Chloroform	5.75	83	152542m	0.545	ppbv		
30) Cyclohexane	7.14	84	80967m	0.536	ppbv		
31) cis-1,2-Dichloroethene	5.56	61	88859m	0.532	ppbv		
32) 1,1,1-Trichloroethane	6.52	97	143974m	0.560	ppbv		
34) 2-Butanone	5.27	43	76762	0.463	ppbv	#	87
35) Carbon Tetrachloride	7.02	117	143077	0.527	ppbv		93
36) Benzene	6.89	78	188086	0.537	ppbv		95
37) 1,2-Dichloroethane	6.31	62	103366	0.508	ppbv		97
38) Trichloroethene	7.84	130	81970m	0.542	ppbv		
39) 1,2-Dichloropropane	7.62	63	60237	0.451	ppbv		87
40) 1,4-Dioxane	7.88	88	17763m	0.475	ppbv		
41) Tetrahydrofuran	6.09	42	38874m	0.482	ppbv		
42) Bromodichloromethane	7.80	83	140716m	0.502	ppbv		
43) Methyl Methacrylate	8.03	69	56374m	0.469	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	311457	0.531 ppbv		98
45) t-1,3-Dichloropropene	9.29	75	40535m	0.374 ppbv		
46) cis-1,3-Dichloropropene	8.71	75	62081m	0.430 ppbv		
47) 1,1,2-Trichloroethane	9.49	97	79634m	0.525 ppbv		
48) Dibromochloromethane	10.31	129	99454	0.407 ppbv		92
49) Bromoform	13.05	173	65576m	0.343 ppbv		
50) 4-Methyl-2-Pentanone	8.78	43	113863m	0.467 ppbv		
51) 2-Hexanone	10.18	43	48726m	0.400 ppbv		
52) Tetrachloroethene	11.23	164	79492m	0.549 ppbv		
53) Toluene	9.81	91	216200	0.519 ppbv		99
54) 1,2-Dibromoethane	10.62	107	105812m	0.477 ppbv		
56) 1,1,1,2-Tetrachloroethane	12.13	131	88230m	0.505 ppbv		
57) Chlorobenzene	12.15	112	169958	0.529 ppbv	#	90
58) Ethyl Benzene	12.72	91	274713	0.506 ppbv		90
59) m/p-Xylene	13.00	91	481548m	1.044 ppbv		
60) o-Xylene	13.70	91	224863	0.508 ppbv		99
61) Styrene	13.53	104	97641	0.418 ppbv		90
62) Isopropylbenzene	14.68	105	340628	0.539 ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.69	83	146305	0.508 ppbv		94
64) n-propylbenzene	15.57	120	74840	0.465 ppbv		66
65) tert-Butylbenzene	16.75	119	279804	0.489 ppbv		90
66) Benzyl Chloride	17.00	91	11992m	0.480 ppbv		
67) sec-Butylbenzene	17.31	105	393606	0.518 ppbv		98
69) p-Isopropyltoluene	17.66	119	305714	0.481 ppbv		98
70) n-Butylbenzene	18.56	91	282515m	0.486 ppbv		
71) 2-Chlorotoluene	15.46	91	224775m	0.499 ppbv		
72) 4-Ethyltoluene	15.85	105	246776	0.480 ppbv		99
73) 1,3,5-Trimethylbenzene	16.00	105	260764m	0.534 ppbv		
74) 1,2,4-Trimethylbenzene	16.77	105	257244m	0.518 ppbv		
75) 1,3-Dichlorobenzene	17.00	146	162052m	0.530 ppbv		
76) 1,4-Dichlorobenzene	17.15	146	162136m	0.534 ppbv		
77) 1,2-Dichlorobenzene	17.83	146	155945m	0.517 ppbv		
78) Hexachloro-1,3-Butadiene	23.38	225	154039m	0.721 ppbv		
79) Naphthalene	22.22	128	176465m	0.590 ppbv		
80) Naphthalene,2-methyl-	25.04	142	42640m	0.590 ppbv		
81) 1,2,4-Trichlorobenzene	21.94	180	111116m	0.584 ppbv		

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

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