Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050522\
Data File : VL038960.D
Acq On : 5 May 2022 4:39
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 05 10:10:30 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu May 05 04:53:24 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1352843	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3227645	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2852397	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2277705	10.10	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	116152	0.531	ppbv		90
3) Chlorodifluoromethane	2.99	51	87102	0.366	ppbv		98
4) Chloromethane	3.14	50	45568m	0.515	ppbv		
5) Vinyl Chloride	3.25	62	35572	0.393	ppbv		98
6) Bromomethane	3.47	94	17407	0.361	ppbv		93
7) Chloroethane	3.56	64	13402	0.434	ppbv		95
8) Dichlorotetrafluoroethane	3.19	85	98871	0.476	ppbv		95
9) Propene	3.01	41	41408	0.530	ppbv		100
10) Heptane	8.11	43	89948	0.450	ppbv		97
11) Trichlorofluoromethane	3.95	101	95306	0.438	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	62031	0.441	ppbv		90
13) Ethanol	3.62	45	2556m	0.299	ppbv		
14) Bromoethene	3.74	108	23694	0.405	ppbv	#	80
15) Acetone	3.86	43	63311	0.474	ppbv	#	88
16) 1,3-Butadiene	3.33	39	39532m	0.444	ppbv		
17) tert-Butyl alcohol	4.30	59	53844m	0.479	ppbv		
18) 1,1-Dichloroethene	4.29	96	23285	0.375	ppbv		96
19) Isopropyl Alcohol	3.98	45	28743	0.403	ppbv	#	93
20) Methylene Chloride	4.35	84	25454	0.423	ppbv		97
21) Allyl Chloride	4.41	41	45989m	0.449	ppbv		
22) trans-1,2-Dichloroethene	4.88	96	29518m	0.501	ppbv		
23) Vinyl Acetate	5.08	43	52774m	0.260	ppbv		
24) 1,1-Dichloroethane	5.01	63	56492	0.361	ppbv		97
25) Ethyl Acetate	5.68	43	150388	0.475	ppbv	#	97
26) Hexane	5.68	57	73794m	0.512	ppbv		
27) Carbon Disulfide	4.55	76	55345	0.389	ppbv	#	82
28) Methyl tert-Butyl Ether	5.04	73	49264	0.309	ppbv	#	87
29) Chloroform	5.75	83	110004	0.470	ppbv		99
30) Cyclohexane	7.12	84	59356	0.508	ppbv		87
31) cis-1,2-Dichloroethene	5.55	61	68093	0.483	ppbv		96
32) 1,1,1-Trichloroethane	6.50	97	106203	0.450	ppbv		96
34) 2-Butanone	5.25	43	84994	0.530	ppbv		98
35) Carbon Tetrachloride	7.01	117	104034	0.420	ppbv		97
36) Benzene	6.88	78	139432	0.474	ppbv		97
37) 1,2-Dichloroethane	6.30	62	77546	0.440	ppbv	#	96
38) Trichloroethene	7.83	130	55505	0.471	ppbv		95
39) 1,2-Dichloropropane	7.61	63	50556	0.424	ppbv		94
40) 1,4-Dioxane	7.86	88	22276m	0.728	ppbv		
41) Tetrahydrofuran	6.07	42	54366m	0.683	ppbv		
42) Bromodichloromethane	7.78	83	111570m	0.466	ppbv		
43) Methyl Methacrylate	8.01	69	55280m	0.544	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	249281	0.479	ppbv		97
45) t-1,3-Dichloropropene	9.28	75	40500m	0.352	ppbv		
46) cis-1,3-Dichloropropene	8.69	75	60292	0.412	ppbv	#	91
47) 1,1,2-Trichloroethane	9.46	97	58638m	0.483	ppbv		
48) Dibromochloromethane	10.30	129	83224m	0.446	ppbv		
49) Bromoform	13.03	173	58932m	0.395	ppbv		
50) 4-Methyl-2-Pentanone	8.76	43	136554m	0.570	ppbv		
51) 2-Hexanone	10.14	43	93392	0.689	ppbv	#	94
52) Tetrachloroethene	11.21	164	47448	0.436	ppbv	#	90
53) Toluene	9.80	91	151586	0.482	ppbv		99
54) 1,2-Dibromoethane	10.60	107	63840	0.373	ppbv		86
56) 1,1,1,2-Tetrachloroethane	12.11	131	62874m	0.489	ppbv		
57) Chlorobenzene	12.13	112	111093	0.466	ppbv		90
58) Ethyl Benzene	12.70	91	214489	0.523	ppbv		92
59) m/p-Xylene	12.99	91	364427m	1.016	ppbv		
60) o-Xylene	13.67	91	164057	0.474	ppbv		99
61) Styrene	13.52	104	83126m	0.482	ppbv		
62) Isopropylbenzene	14.65	105	252932	0.536	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.67	83	99298	0.382	ppbv		97
64) n-propylbenzene	15.55	120	56978m	0.495	ppbv		
65) tert-Butylbenzene	16.73	119	228797m	0.559	ppbv		
66) Benzyl Chloride	16.98	91	18858m	0.376	ppbv		
67) sec-Butylbenzene	17.28	105	316739m	0.545	ppbv		
69) p-Isopropyltoluene	17.63	119	241922	0.532	ppbv		95
70) n-Butylbenzene	18.54	91	249990	0.525	ppbv		100
71) 2-Chlorotoluene	15.44	91	192620	0.543	ppbv		98
72) 4-Ethyltoluene	15.82	105	181206	0.476	ppbv		97
73) 1,3,5-Trimethylbenzene	15.98	105	155703	0.439	ppbv		97
74) 1,2,4-Trimethylbenzene	16.75	105	188445m	0.492	ppbv		
75) 1,3-Dichlorobenzene	16.97	146	105144m	0.490	ppbv		
76) 1,4-Dichlorobenzene	17.12	146	104628m	0.490	ppbv		
77) 1,2-Dichlorobenzene	17.80	146	102661m	0.506	ppbv		
78) Hexachloro-1,3-Butadiene	23.35	225	99350	0.544	ppbv		93
79) Naphthalene	22.17	128	130103m	0.551	ppbv		
80) Naphthalene,2-methyl-	24.97	142	24818	0.482	ppbv	#	75
81) 1,2,4-Trichlorobenzene	21.90	180	80565m	0.562	ppbv		

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

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