Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
Data File : VL038814.D
Acq On : 5 Apr 2022 17:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 19:43:50 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr
QLast Update : Tue Apr 05 17:22:42 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2022
Supervised By :Semsettin Yesilyurt 04/07/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.664	49	1453284	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	4008373	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	3692749	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2750913	9.716	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.050	85	239790	1.227	ppbv	95
3) Chlorodifluoromethane	2.989	51	187367	1.221	ppbv	98
4) Chloromethane	3.140	50	97414	1.156	ppbv	91
5) Vinyl Chloride	3.259	62	83661	0.977	ppbv	93
6) Bromomethane	3.478	94	42110	0.922	ppbv	97
7) Chloroethane	3.558	64	29335m	1.035	ppbv	
8) Dichlorotetrafluoroethane	3.192	85	207359	1.063	ppbv	99
9) Propene	3.012	41	100858	1.361	ppbv	92
10) Heptane	8.118	43	247916	1.400	ppbv	97
11) Trichlorofluoromethane	3.954	101	164207	0.952	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.484	101	136696	1.030	ppbv	98
13) Ethanol	3.616	45	6939m	0.849	ppbv	
14) Bromoethene	3.738	108	56021m	0.950	ppbv	
15) Acetone	3.861	43	150948m	1.204	ppbv	
16) 1,3-Butadiene	3.333	39	88624	1.245	ppbv	97
17) tert-Butyl alcohol	4.298	59	139342m	1.272	ppbv	
18) 1,1-Dichloroethene	4.295	96	58674	0.984	ppbv #	66
19) Isopropyl Alcohol	3.976	45	68182	0.981	ppbv #	100
20) Methylene Chloride	4.346	84	54343	1.029	ppbv	95
21) Allyl Chloride	4.417	41	109512	1.213	ppbv	100
22) trans-1,2-Dichloroethene	4.883	96	55606	0.899	ppbv	83
23) Vinyl Acetate	5.076	43	137440	1.132	ppbv #	95
24) 1,1-Dichloroethane	5.008	63	131166	1.097	ppbv	99
25) Ethyl Acetate	5.684	43	390753	1.238	ppbv	99
26) Hexane	5.687	57	184804m	1.308	ppbv	
27) Carbon Disulfide	4.552	76	151137	1.090	ppbv #	88
28) Methyl tert-Butyl Ether	5.041	73	131426	1.248	ppbv	97
29) Chloroform	5.748	83	251822	1.113	ppbv	93
30) Cyclohexane	7.124	84	153470	1.249	ppbv #	73
31) cis-1,2-Dichloroethene	5.549	61	151923	1.143	ppbv	98
32) 1,1,1-Trichloroethane	6.507	97	251464	1.152	ppbv	99
34) 2-Butanone	5.253	43	164658m	1.038	ppbv	
35) Carbon Tetrachloride	7.015	117	245512	1.056	ppbv	90
36) Benzene	6.886	78	384751	1.244	ppbv	99
37) 1,2-Dichloroethane	6.301	62	155946	0.991	ppbv	96
38) Trichloroethene	7.828	130	143318	1.106	ppbv	94
39) 1,2-Dichloropropane	7.606	63	141910	1.173	ppbv	96
40) 1,4-Dioxane	7.851	88	52220m	1.243	ppbv	
41) Tetrahydrofuran	6.060	42	157759m	1.336	ppbv	
42) Bromodichloromethane	7.780	83	273326m	1.158	ppbv	
43) Methyl Methacrylate	8.012	69	136777	1.191	ppbv	93
44) 2,2,4-Trimethylpentane	7.864	57	663693	1.278	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	135252	1.158	ppbv	99

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46) cis-1,3-Dichloropropene	8.696	75	181284	1.148	ppbv		97
47) 1,1,2-Trichloroethane	9.465	97	153165m	1.186	ppbv		
48) Dibromochloromethane	10.301	129	231483m	1.145	ppbv		
49) Bromoform	13.031	173	182765m	1.109	ppbv		
50) 4-Methyl-2-Pentanone	8.748	43	370833	1.257	ppbv		96
51) 2-Hexanone	10.143	43	242291	1.144	ppbv	#	90
52) Tetrachloroethene	11.214	164	129623m	1.145	ppbv		
53) Toluene	9.799	91	445007	1.339	ppbv		99
54) 1,2-Dibromoethane	10.606	107	200040	1.135	ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.121	131	170984	1.117	ppbv	#	1
57) Chlorobenzene	12.140	112	317681	1.193	ppbv	#	93
58) Ethyl Benzene	12.703	91	592267	1.372	ppbv		93
59) m/p-Xylene	12.989	91	1003151m	2.656	ppbv		
60) o-Xylene	13.683	91	485960	1.355	ppbv		96
61) Styrene	13.523	104	268895	1.383	ppbv		100
62) Isopropylbenzene	14.658	105	698796	1.296	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.670	83	275223	0.991	ppbv		98
64) n-propylbenzene	15.551	120	178684	1.263	ppbv		80
65) tert-Butylbenzene	16.738	119	642363	1.326	ppbv		98
66) Benzyl Chloride	16.979	91	95431	1.041	ppbv	#	93
67) sec-Butylbenzene	17.288	105	887638	1.281	ppbv		98
69) p-Isopropyltoluene	17.641	119	717447	1.269	ppbv		100
70) n-Butylbenzene	18.542	91	707696	1.214	ppbv		98
71) 2-Chlorotoluene	15.445	91	523295	1.308	ppbv		100
72) 4-Ethyltoluene	15.828	105	535013	1.264	ppbv		98
73) 1,3,5-Trimethylbenzene	15.989	105	499001	1.294	ppbv		93
74) 1,2,4-Trimethylbenzene	16.754	105	544023	1.295	ppbv		97
75) 1,3-Dichlorobenzene	16.985	146	299277	1.118	ppbv		99
76) 1,4-Dichlorobenzene	17.130	146	303622m	1.141	ppbv		
77) 1,2-Dichlorobenzene	17.809	146	286289	1.080	ppbv		95
78) Hexachloro-1,3-Butadiene	23.361	225	259508m	1.059	ppbv		
79) Naphthalene	22.194	128	372205	1.160	ppbv		96
80) Naphthalene,2-methyl-	24.969	142	68281	0.793	ppbv	#	86
81) 1,2,4-Trichlorobenzene	21.911	180	221182m	1.007	ppbv		

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

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