Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
Data File : VL040224.D
Acq On : 23 Feb 2023 15:41
Operator : SY/MD
Sample : 01627-15 0.1 MDL
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 00:47:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Feb 24 00:45:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.189	49	767912	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.652	114	1905978	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.471	117	1713490	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.783	95	1427266	10.130	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.719	85	17817	0.124	ppbv		99
3) Chlorodifluoromethane	2.665	51	10473	0.114	ppbv		96
4) Chloromethane	2.806	50	7068	0.123	ppbv		88
5) Vinyl Chloride	2.912	62	4863	0.105	ppbv	#	81
6) Bromomethane	3.112	94	1762	0.105	ppbv	#	62
7) Chloroethane	3.189	64	2062m	0.112	ppbv		
8) Dichlorotetrafluoroethane	2.848	85	13446	0.109	ppbv		98
9) Propene	2.687	41	5863	0.157	ppbv		85
10) Heptane	7.581	43	5658m	0.064	ppbv		
11) Trichlorofluoromethane	3.555	101	14823	0.115	ppbv		89
12) 1,1,2-Trichlorotrifluo...	4.057	101	11220m	0.118	ppbv		
14) Bromoethene	3.362	108	3604m	0.099	ppbv		
15) Acetone	3.491	43	11919m	0.129	ppbv		
16) 1,3-Butadiene	2.976	39	4569	0.108	ppbv		96
17) tert-Butyl alcohol	3.906	59	9413m	0.112	ppbv		
18) 1,1-Dichloroethene	3.880	96	4710m	0.114	ppbv		
19) Isopropyl Alcohol	3.600	45	5047m	0.115	ppbv		
20) Methylene Chloride	3.928	84	12940	0.269	ppbv	#	87
21) Allyl Chloride	3.989	41	6253m	0.110	ppbv		
22) trans-1,2-Dichloroethene	4.439	96	4919m	0.115	ppbv		
24) 1,1-Dichloroethane	4.558	63	9511	0.108	ppbv	#	90
26) Hexane	5.201	57	7019m	0.095	ppbv		
27) Carbon Disulfide	4.121	76	7601	0.081	ppbv	#	48
28) Methyl tert-Butyl Ether	4.607	73	7467m	0.094	ppbv		
29) Chloroform	5.263	83	14100	0.111	ppbv	#	65
30) Cyclohexane	6.632	84	4663m	0.080	ppbv		
31) cis-1,2-Dichloroethene	5.076	61	6822m	0.097	ppbv		
32) 1,1,1-Trichloroethane	5.999	97	10134	0.085	ppbv	#	84
34) 2-Butanone	4.806	43	10924m	0.116	ppbv		
35) Carbon Tetrachloride	6.491	117	10391	0.092	ppbv		94
36) Benzene	6.372	78	12799m	0.086	ppbv		
37) 1,2-Dichloroethane	5.809	62	9812m	0.106	ppbv		
38) Trichloroethene	7.282	130	3581	0.044	ppbv	#	66
39) 1,2-Dichloropropane	7.070	63	5866m	0.102	ppbv		
40) 1,4-Dioxane	7.356	88	1862m	0.081	ppbv		
41) Tetrahydrofuran	5.587	42	4012m	0.074	ppbv		
42) Bromodichloromethane	7.250	83	11664m	0.091	ppbv		
43) Methyl Methacrylate	7.478	69	4100m	0.075	ppbv		
44) 2,2,4-Trimethylpentane	7.327	57	17186m	0.069	ppbv		
45) t-1,3-Dichloropropene	8.709	75	2870m	0.059	ppbv		
46) cis-1,3-Dichloropropene	8.147	75	4028m	0.059	ppbv		
47) 1,1,2-Trichloroethane	8.902	97	6384m	0.102	ppbv		
48) Dibromochloromethane	9.713	129	7219m	0.072	ppbv		

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49) Bromoform	12.404	173	4810m	0.062	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	10344m	0.071	ppbv	
51) 2-Hexanone	9.603	43	6636m	0.059	ppbv	
52) Tetrachloroethene	10.613	164	4469m	0.096	ppbv	
53) Toluene	9.227	91	9925m	0.062	ppbv	
54) 1,2-Dibromoethane	10.008	107	4910m	0.076	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	6653m	0.092	ppbv	
57) Chlorobenzene	11.529	112	13217m	0.106	ppbv	
58) Ethyl Benzene	12.095	91	11904m	0.057	ppbv	
59) m/p-Xylene	12.375	91	19716m	0.107	ppbv	
60) o-Xylene	13.060	91	9190m	0.052	ppbv	
61) Styrene	12.899	104	4282m	0.046	ppbv	
62) Isopropylbenzene	14.031	105	17025m	0.067	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.060	83	6427m	0.101	ppbv	
64) n-propylbenzene	14.931	120	3134m	0.050	ppbv	
65) tert-Butylbenzene	16.105	119	10889m	0.049	ppbv	
66) Benzyl Chloride	16.346	91	1072m	0.073	ppbv	
67) sec-Butylbenzene	16.645	105	17783m	0.056	ppbv	
69) p-Isopropyltoluene	17.018	119	11636m	0.046	ppbv	
70) n-Butylbenzene	17.902	91	13571m	0.050	ppbv	
71) 2-Chlorotoluene	14.809	91	11845m	0.061	ppbv	
72) 4-Ethyltoluene	15.204	105	11060m	0.056	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	9182m	0.050	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	9440m	0.047	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	8472m	0.077	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	8285m	0.077	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	8406m	0.077	ppbv	
78) Hexachloro-1,3-Butadiene	22.645	225	6621m	0.088	ppbv	
79) Naphthalene	21.394	128	4636m	0.041	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	3373m	0.048	ppbv	

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

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