Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
Data File : VL040540.D
Acq On : 15 Jul 2023 00:06
Operator : SY/MD
Sample : 03572-13 0.4 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 16 23:36:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2023

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.189	49	876273	10.000	ppbv		-0.01
33) 1,4-Difluorobenzene	6.648	114	2287594	10.000	ppbv		-0.02
55) Chlorobenzene-d5	11.462	117	2004731	10.000	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.773	95	1642164	10.350	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.729	85	88366	0.504	ppbv		98
3) Chlorodifluoromethane	2.674	51	63605	0.458	ppbv		97
4) Chloromethane	2.809	50	24793	0.451	ppbv	#	86
5) Vinyl Chloride	2.918	62	24515	0.424	ppbv	#	85
6) Bromomethane	3.121	94	11254m	0.461	ppbv		
7) Chloroethane	3.192	64	9459	0.467	ppbv	#	74
8) Dichlorotetrafluoroethane	2.857	85	65815	0.456	ppbv		99
9) Propene	2.693	41	19615	0.413	ppbv		100
10) Heptane	7.577	43	31710m	0.302	ppbv		
11) Trichlorofluoromethane	3.558	101	65920	0.466	ppbv		91
12) 1,1,2-Trichlorotrifluo...	4.063	101	44030	0.442	ppbv		97
13) Ethanol	3.253	45	6159m	0.595	ppbv		
14) Bromoethene	3.365	108	16111	0.376	ppbv	#	81
15) Acetone	3.481	43	51422	0.510	ppbv	#	88
16) 1,3-Butadiene	2.983	39	21541	0.423	ppbv		97
17) tert-Butyl alcohol	3.890	59	44894	0.430	ppbv		95
18) 1,1-Dichloroethene	3.880	96	18868	0.412	ppbv		81
19) Isopropyl Alcohol	3.594	45	30018	0.518	ppbv	#	87
20) Methylene Chloride	3.931	84	22687m	0.529	ppbv		
21) Allyl Chloride	3.992	41	25034m	0.435	ppbv		
22) trans-1,2-Dichloroethene	4.446	96	19835	0.439	ppbv	#	81
23) Vinyl Acetate	4.635	43	37805	0.393	ppbv	#	96
24) 1,1-Dichloroethane	4.558	63	41378	0.424	ppbv		98
25) Ethyl Acetate	5.211	43	73272	0.382	ppbv		96
26) Hexane	5.208	57	32226	0.361	ppbv	#	85
27) Carbon Disulfide	4.124	76	33213	0.317	ppbv	#	79
28) Methyl tert-Butyl Ether	4.594	73	30007m	0.418	ppbv		
29) Chloroform	5.269	83	64493	0.436	ppbv		94
30) Cyclohexane	6.597	84	33220m	0.448	ppbv		
31) cis-1,2-Dichloroethene	5.070	61	31170	0.353	ppbv	#	91
32) 1,1,1-Trichloroethane	5.996	97	59792m	0.413	ppbv		
34) 2-Butanone	4.793	43	48743m	0.431	ppbv		
35) Carbon Tetrachloride	6.491	117	56423	0.410	ppbv		97
36) Benzene	6.365	78	65038	0.353	ppbv		95
37) 1,2-Dichloroethane	5.809	62	46990m	0.434	ppbv		
38) Trichloroethene	7.285	130	26304m	0.378	ppbv		
39) 1,2-Dichloropropane	7.073	63	25635	0.362	ppbv		88
40) 1,4-Dioxane	7.320	88	9460m	0.427	ppbv		
41) Tetrahydrofuran	5.574	42	20231m	0.307	ppbv		
42) Bromodichloromethane	7.246	83	54852	0.364	ppbv		99
43) Methyl Methacrylate	7.481	69	21145m	0.307	ppbv		
44) 2,2,4-Trimethylpentane	7.323	57	92978	0.314	ppbv	#	86
45) t-1,3-Dichloropropene	8.712	75	12044m	0.273	ppbv		

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46) cis-1,3-Dichloropropene	8.137	75	14729m	0.260	ppbv		
47) 1,1,2-Trichloroethane	8.896	97	30566m	0.391	ppbv		
48) Dibromochloromethane	9.703	129	37796m	0.313	ppbv		
49) Bromoform	12.410	173	27654m	0.289	ppbv		
50) 4-Methyl-2-Pentanone	8.204	43	49297	0.300	ppbv		97
51) 2-Hexanone	9.571	43	30391m	0.262	ppbv		
52) Tetrachloroethene	10.613	164	21366m	0.358	ppbv		
53) Toluene	9.217	91	52500	0.263	ppbv		97
54) 1,2-Dibromoethane	10.008	107	30443	0.313	ppbv		83
56) 1,1,1,2-Tetrachloroethane	11.507	131	36923	0.411	ppbv	#	1
57) Chlorobenzene	11.526	112	66372m	0.425	ppbv		
58) Ethyl Benzene	12.089	91	68427m	0.272	ppbv		
59) m/p-Xylene	12.368	91	136377m	0.607	ppbv		
60) o-Xylene	13.060	91	63652	0.298	ppbv		95
61) Styrene	12.902	104	20063m	0.203	ppbv		
62) Isopropylbenzene	14.027	105	109257m	0.341	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.050	83	62874	0.420	ppbv		94
64) n-propylbenzene	14.921	120	26758m	0.323	ppbv		
65) tert-Butylbenzene	16.092	119	83245	0.293	ppbv	#	78
66) Benzyl Chloride	16.323	91	7358m	0.366	ppbv		
67) sec-Butylbenzene	16.635	105	136409	0.327	ppbv		98
69) p-Isopropyltoluene	16.995	119	101190	0.294	ppbv	#	93
70) n-Butylbenzene	17.889	91	118260	0.308	ppbv		97
71) 2-Chlorotoluene	14.796	91	71400	0.289	ppbv		100
72) 4-Ethyltoluene	15.198	105	71914m	0.287	ppbv		
73) 1,3,5-Trimethylbenzene	15.359	105	68597m	0.310	ppbv		
74) 1,2,4-Trimethylbenzene	16.108	105	86534m	0.336	ppbv		
75) 1,3-Dichlorobenzene	16.333	146	59599m	0.381	ppbv		
76) 1,4-Dichlorobenzene	16.477	146	57326m	0.374	ppbv		
77) 1,2-Dichlorobenzene	17.140	146	55789m	0.373	ppbv		
78) Hexachloro-1,3-Butadiene	22.632	225	55582m	0.396	ppbv		
79) Naphthalene	21.394	128	55355m	0.254	ppbv		
80) Naphthalene,2-methyl-	24.368	142	10767m	0.120	ppbv		
81) 1,2,4-Trichlorobenzene	21.140	180	45313m	0.302	ppbv		

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

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