Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
Data File : VL040221.D
Acq On : 23 Feb 2023 13:49
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-QT1-2023

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

Quant Time: Feb 24 01:02:58 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	809790	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.652	114	2015865	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.468	117	1767292	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.780	95	1486646	10.230	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.719	85	16793	0.111	ppbv		94
3) Chlorodifluoromethane	2.665	51	10400	0.108	ppbv		93
4) Chloromethane	2.806	50	6294m	0.104	ppbv		
5) Vinyl Chloride	2.915	62	5287m	0.108	ppbv		
6) Bromomethane	3.105	94	1893m	0.107	ppbv		
7) Chloroethane	3.195	64	2042m	0.105	ppbv		
8) Dichlorotetrafluoroethane	2.845	85	13329	0.102	ppbv		94
9) Propene	2.684	41	6117m	0.155	ppbv		
10) Heptane	7.581	43	6580m	0.070	ppbv		
11) Trichlorofluoromethane	3.552	101	15542	0.115	ppbv	#	75
12) 1,1,2-Trichlorotrifluo...	4.057	101	10321m	0.103	ppbv		
14) Bromoethene	3.356	108	3518m	0.092	ppbv		
15) Acetone	3.488	43	17145	0.176	ppbv	#	79
16) 1,3-Butadiene	2.970	39	5361m	0.120	ppbv		
17) tert-Butyl alcohol	3.906	59	10433m	0.117	ppbv		
18) 1,1-Dichloroethene	3.870	96	4094m	0.094	ppbv		
19) Isopropyl Alcohol	3.597	45	4605m	0.099	ppbv		
20) Methylene Chloride	3.928	84	13592	0.268	ppbv	#	90
21) Allyl Chloride	3.989	41	6244m	0.104	ppbv		
22) trans-1,2-Dichloroethene	4.443	96	4374m	0.097	ppbv		
24) 1,1-Dichloroethane	4.555	63	10322	0.112	ppbv		99
25) Ethyl Acetate	5.211	43	17421m	0.096	ppbv		
26) Hexane	5.198	57	7971m	0.102	ppbv		
27) Carbon Disulfide	4.124	76	8544m	0.087	ppbv		
28) Methyl tert-Butyl Ether	4.600	73	8130m	0.098	ppbv		
29) Chloroform	5.263	83	15493m	0.116	ppbv		
30) Cyclohexane	6.642	84	7956m	0.130	ppbv		
31) cis-1,2-Dichloroethene	5.076	61	7066m	0.096	ppbv		
32) 1,1,1-Trichloroethane	6.005	97	11984m	0.095	ppbv		
34) 2-Butanone	4.806	43	11007m	0.111	ppbv		
35) Carbon Tetrachloride	6.494	117	11888m	0.100	ppbv		
36) Benzene	6.362	78	13529	0.086	ppbv	#	74
37) 1,2-Dichloroethane	5.809	62	10715m	0.109	ppbv		
38) Trichloroethene	7.295	130	8056m	0.093	ppbv		
39) 1,2-Dichloropropane	7.076	63	6351m	0.104	ppbv		
40) 1,4-Dioxane	7.353	88	2024m	0.083	ppbv		
41) Tetrahydrofuran	5.597	42	5211m	0.090	ppbv		
42) Bromodichloromethane	7.246	83	12105m	0.089	ppbv		
43) Methyl Methacrylate	7.488	69	3542m	0.061	ppbv		
44) 2,2,4-Trimethylpentane	7.320	57	18397m	0.070	ppbv		
45) t-1,3-Dichloropropene	8.722	75	3156m	0.061	ppbv		
46) cis-1,3-Dichloropropene	8.150	75	4229m	0.059	ppbv		
47) 1,1,2-Trichloroethane	8.896	97	6617m	0.100	ppbv		

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	9.703	129	7489m	0.071	ppbv	
49) Bromoform	12.413	173	5431m	0.066	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	11287m	0.073	ppbv	
51) 2-Hexanone	9.587	43	7695m	0.065	ppbv	
52) Tetrachloroethene	10.619	164	4087m	0.083	ppbv	
53) Toluene	9.227	91	10689m	0.064	ppbv	
54) 1,2-Dibromoethane	10.005	107	5341m	0.078	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	6760m	0.091	ppbv	
57) Chlorobenzene	11.523	112	13539m	0.105	ppbv	
58) Ethyl Benzene	12.095	91	12387m	0.058	ppbv	
59) m/p-Xylene	12.375	91	23146m	0.122	ppbv	
60) o-Xylene	13.066	91	9619m	0.053	ppbv	
61) Styrene	12.899	104	4823m	0.050	ppbv	
62) Isopropylbenzene	14.040	105	18919m	0.072	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.053	83	6485m	0.098	ppbv	
64) n-propylbenzene	14.915	120	3334m	0.051	ppbv	
65) tert-Butylbenzene	16.101	119	11872m	0.052	ppbv	
67) sec-Butylbenzene	16.648	105	19312m	0.059	ppbv	
69) p-Isopropyltoluene	17.002	119	13578m	0.052	ppbv	
70) n-Butylbenzene	17.892	91	14455m	0.051	ppbv	
71) 2-Chlorotoluene	14.802	91	13336m	0.066	ppbv	
72) 4-Ethyltoluene	15.201	105	11492m	0.057	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	10431m	0.055	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	10895m	0.053	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	9087m	0.080	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	8926m	0.080	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	8147m	0.072	ppbv	
78) Hexachloro-1,3-Butadiene	22.638	225	7248m	0.094	ppbv	
79) Naphthalene	21.416	128	4720m	0.041	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	3982m	0.055	ppbv	

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

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