Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
Data File : VL041669.D
Acq On : 14 Oct 2024 15:40
Operator : SY/MD
Sample : P4368-15 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 04:50:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.205	49	949351	10.000	ppbv		0.04
33) 1,4-Difluorobenzene	6.668	114	2647068	10.000	ppbv		0.04
55) Chlorobenzene-d5	11.484	117	2363204	10.000	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.799	95	1752732	10.075	ppbv		0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.729	85	16822m	0.123	ppbv		
3) Chlorodifluoromethane	2.671	51	11290	0.098	ppbv		94
4) Chloromethane	2.809	50	7395	0.117	ppbv		98
5) Vinyl Chloride	2.919	62	4828	0.088	ppbv	#	83
6) Bromomethane	3.124	94	3055m	0.112	ppbv		
7) Chloroethane	3.195	64	2705m	0.127	ppbv		
8) Dichlorotetrafluoroethane	2.857	85	14598m	0.102	ppbv		
9) Propene	2.693	41	7798m	0.161	ppbv		
10) Heptane	7.594	43	6730m	0.059	ppbv		
11) Trichlorofluoromethane	3.565	101	14212	0.097	ppbv		87
12) 1,1,2-Trichlorotrifluo...	4.070	101	9571m	0.091	ppbv		
13) Ethanol	3.269	45	469m	0.128	ppbv		
14) Bromoethene	3.375	108	4016m	0.100	ppbv		
15) Acetone	3.497	43	27001	0.227	ppbv		92
16) 1,3-Butadiene	2.980	39	5474m	0.094	ppbv		
17) tert-Butyl alcohol	3.922	59	7616m	0.073	ppbv		
18) 1,1-Dichloroethene	3.883	96	4511m	0.101	ppbv		
19) Isopropyl Alcohol	3.616	45	4274m	0.070	ppbv		
20) Methylene Chloride	3.938	84	9862m	0.220	ppbv		
21) Allyl Chloride	3.999	41	5653m	0.082	ppbv		
22) trans-1,2-Dichloroethene	4.459	96	4231m	0.095	ppbv		
23) Vinyl Acetate	4.655	43	8621m	0.132	ppbv		
24) 1,1-Dichloroethane	4.571	63	9761m	0.099	ppbv		
25) Ethyl Acetate	5.230	43	15674m	0.073	ppbv		
26) Hexane	5.227	57	6200m	0.069	ppbv		
27) Carbon Disulfide	4.131	76	6436m	0.068	ppbv		
28) Methyl tert-Butyl Ether	4.619	73	4488m	0.082	ppbv		
29) Chloroform	5.282	83	14223m	0.097	ppbv		
30) Cyclohexane	6.606	84	3996m	0.058	ppbv		
31) cis-1,2-Dichloroethene	5.086	61	5853m	0.069	ppbv		
32) 1,1,1-Trichloroethane	6.018	97	12506m	0.096	ppbv		
34) 2-Butanone	4.835	43	10126m	0.080	ppbv		
35) Carbon Tetrachloride	6.507	117	12097m	0.093	ppbv		
36) Benzene	6.388	78	12332m	0.067	ppbv		
37) 1,2-Dichloroethane	5.819	62	8700m	0.082	ppbv		
38) Trichloroethene	7.311	130	7270m	0.077	ppbv		
39) 1,2-Dichloropropane	7.089	63	7295m	0.098	ppbv		
40) 1,4-Dioxane	7.381	88	1156m	0.041	ppbv		
41) Tetrahydrofuran	5.607	42	3589m	0.052	ppbv		
42) Bromodichloromethane	7.262	83	12460m	0.084	ppbv		
43) Methyl Methacrylate	7.497	69	3661m	0.056	ppbv		
44) 2,2,4-Trimethylpentane	7.340	57	17279m	0.054	ppbv		
45) t-1,3-Dichloropropene	8.741	75	2453m	0.046	ppbv		

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	4170m	0.054	ppbv	
47) 1,1,2-Trichloroethane	8.928	97	7580m	0.095	ppbv	
48) Dibromochloromethane	9.732	129	6971m	0.058	ppbv	
49) Bromoform	12.423	173	5176m	0.050	ppbv	
50) 4-Methyl-2-Pentanone	8.243	43	9780m	0.050	ppbv	
51) 2-Hexanone	9.619	43	6932m	0.047	ppbv	
52) Tetrachloroethene	10.629	164	4671m	0.070	ppbv	
53) Toluene	9.240	91	10060m	0.052	ppbv	
54) 1,2-Dibromoethane	10.034	107	5704m	0.058	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.536	131	3490	0.038	ppbv #	9
57) Chlorobenzene	11.545	112	15197m	0.089	ppbv	
58) Ethyl Benzene	12.114	91	11962m	0.047	ppbv	
59) m/p-Xylene	12.362	91	18777m	0.083	ppbv	
60) o-Xylene	13.076	91	9373m	0.043	ppbv	
61) Styrene	12.912	104	3328m	0.037	ppbv	
62) Isopropylbenzene	14.044	105	17691m	0.054	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.069	83	9456m	0.086	ppbv	
64) n-propylbenzene	14.944	120	3833m	0.045	ppbv	
65) tert-Butylbenzene	16.121	119	11861m	0.040	ppbv	
66) Benzyl Chloride	16.362	91	1356m	0.087	ppbv	
67) sec-Butylbenzene	16.670	105	18064m	0.043	ppbv	
69) p-Isopropyltoluene	17.024	119	12348m	0.037	ppbv	
70) n-Butylbenzene	17.921	91	13581m	0.039	ppbv	
71) 2-Chlorotoluene	14.825	91	11162m	0.046	ppbv	
72) 4-Ethyltoluene	15.224	105	9664m	0.038	ppbv	
73) 1,3,5-Trimethylbenzene	15.387	105	8139m	0.037	ppbv	
74) 1,2,4-Trimethylbenzene	16.140	105	9091m	0.035	ppbv	
75) 1,3-Dichlorobenzene	16.359	146	10396m	0.064	ppbv	
76) 1,4-Dichlorobenzene	16.503	146	9756m	0.062	ppbv	
77) 1,2-Dichlorobenzene	17.169	146	9128m	0.057	ppbv	
78) Hexachloro-1,3-Butadiene	22.651	225	11426m	0.086	ppbv	

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

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