Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
Data File : VL041241.D
Acq On : 8 May 2024 13:13
Operator : SY/MD
Sample : P2403-13 LOD 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 09 05:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Thu May 09 02:43:03 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.217	49	812942	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.680	114	2161532	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.497	117	1968339	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.805	95	1526641	10.274	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.754	85	15353	0.140	ppbv		98
3) Chlorodifluoromethane	2.697	51	15149	0.123	ppbv		96
4) Chloromethane	2.841	50	5374m	0.111	ppbv		
5) Vinyl Chloride	2.944	62	4420m	0.091	ppbv		
6) Bromomethane	3.153	94	1732m	0.098	ppbv		
7) Chloroethane	3.221	64	1722m	0.100	ppbv		
8) Dichlorotetrafluoroethane	2.877	85	11056	0.097	ppbv		90
9) Propene	2.722	41	7418	0.154	ppbv		98
10) Heptane	7.606	43	9506m	0.081	ppbv		
11) Trichlorofluoromethane	3.587	101	11216	0.100	ppbv	#	76
12) 1,1,2-Trichlorotrifluo...	4.092	101	8620m	0.104	ppbv		
13) Ethanol	3.285	45	1520m	0.140	ppbv		
14) Bromoethene	3.391	108	3573m	0.105	ppbv		
15) Acetone	3.520	43	19789m	0.206	ppbv		
16) 1,3-Butadiene	3.015	39	6167m	0.127	ppbv		
17) tert-Butyl alcohol	3.931	59	10042m	0.097	ppbv		
18) 1,1-Dichloroethene	3.912	96	3949m	0.107	ppbv		
19) Isopropyl Alcohol	3.632	45	6452m	0.102	ppbv		
20) Methylene Chloride	3.957	84	8989m	0.269	ppbv		
21) Allyl Chloride	4.021	41	6229m	0.100	ppbv		
22) trans-1,2-Dichloroethene	4.471	96	3782m	0.099	ppbv		
23) Vinyl Acetate	4.674	43	8561m	0.081	ppbv		
24) 1,1-Dichloroethane	4.590	63	8660m	0.105	ppbv		
25) Ethyl Acetate	5.246	43	20037m	0.105	ppbv		
26) Hexane	5.240	57	8835m	0.103	ppbv		
27) Carbon Disulfide	4.153	76	9019m	0.089	ppbv		
28) Methyl tert-Butyl Ether	4.635	73	6483m	0.095	ppbv		
29) Chloroform	5.298	83	13442m	0.114	ppbv		
30) Cyclohexane	6.632	84	7061m	0.104	ppbv		
31) cis-1,2-Dichloroethene	5.105	61	7029m	0.088	ppbv		
32) 1,1,1-Trichloroethane	6.028	97	10490m	0.089	ppbv		
34) 2-Butanone	4.835	43	12988m	0.118	ppbv		
35) Carbon Tetrachloride	6.516	117	9908m	0.082	ppbv		
36) Benzene	6.397	78	16773m	0.092	ppbv		
37) 1,2-Dichloroethane	5.835	62	9470m	0.100	ppbv		
38) Trichloroethene	7.323	130	7147m	0.106	ppbv		
39) 1,2-Dichloropropane	7.102	63	7840m	0.112	ppbv		
40) 1,4-Dioxane	7.368	88	3141m	0.126	ppbv		
41) Tetrahydrofuran	5.622	42	7485m	0.094	ppbv		
42) Bromodichloromethane	7.275	83	12209m	0.090	ppbv		
43) Methyl Methacrylate	7.513	69	5454m	0.074	ppbv		
44) 2,2,4-Trimethylpentane	7.356	57	26882m	0.086	ppbv		
45) t-1,3-Dichloropropene	8.741	75	3135m	0.059	ppbv		

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	8.166	75	4315m	0.066	ppbv	
47)	1,1,2-Trichloroethane	8.925	97	7330m	0.105	ppbv	
48)	Dibromochloromethane	9.735	129	8540m	0.077	ppbv	
49)	Bromoform	12.436	173	6493m	0.068	ppbv	
50)	4-Methyl-2-Pentanone	8.230	43	18351m	0.093	ppbv	
51)	2-Hexanone	9.619	43	11156m	0.076	ppbv	
52)	Tetrachloroethene	10.645	164	6201m	0.097	ppbv	
53)	Toluene	9.249	91	16191m	0.077	ppbv	
54)	1,2-Dibromoethane	10.040	107	8242m	0.087	ppbv	
56)	1,1,1,2-Tetrachloroethane	11.542	131	7438m	0.093	ppbv	
57)	Chlorobenzene	11.555	112	15576m	0.108	ppbv	
58)	Ethyl Benzene	12.108	91	20865m	0.077	ppbv	
59)	m/p-Xylene	12.404	91	37294m	0.164	ppbv	
60)	o-Xylene	13.082	91	17927m	0.084	ppbv	
61)	Styrene	12.934	104	7922m	0.071	ppbv	
62)	Isopropylbenzene	14.063	105	28751m	0.090	ppbv	
63)	1,1,2,2-Tetrachloroethane	13.085	83	15258m	0.105	ppbv	
64)	n-propylbenzene	14.966	120	6597m	0.083	ppbv	
65)	tert-Butylbenzene	16.111	119	23593m	0.083	ppbv	
66)	Benzyl Chloride	16.374	91	2017m	0.063	ppbv	
67)	sec-Butylbenzene	16.664	105	35450m	0.088	ppbv	
69)	p-Isopropyltoluene	17.018	119	27046m	0.082	ppbv	
70)	n-Butylbenzene	17.924	91	24771m	0.072	ppbv	
71)	2-Chlorotoluene	14.825	91	21520m	0.089	ppbv	
72)	4-Ethyltoluene	15.223	105	20065m	0.083	ppbv	
73)	1,3,5-Trimethylbenzene	15.384	105	17659m	0.081	ppbv	
74)	1,2,4-Trimethylbenzene	16.137	105	18630m	0.078	ppbv	
75)	1,3-Dichlorobenzene	16.368	146	13710m	0.100	ppbv	
76)	1,4-Dichlorobenzene	16.509	146	13966m	0.106	ppbv	
77)	1,2-Dichlorobenzene	17.182	146	12797m	0.094	ppbv	
78)	Hexachloro-1,3-Butadiene	22.676	225	12863m	0.106	ppbv	
79)	Naphthalene	21.432	128	12064m	0.053	ppbv	
81)	1,2,4-Trichlorobenzene	21.194	180	7917m	0.066	ppbv	

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

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