Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
Data File : VL041765.D
Acq On : 16 Dec 2024 22:54
Operator : SY/MD
Sample : MDL 0.4
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 03:33:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.793	49	59497	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	157774	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.891	117	137361	10.000	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	115468	10.088	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	5472	0.517	ppbv		99
3) Chlorodifluoromethane	1.476	51	4373	0.451	ppbv		92
4) Chloromethane	1.534	50	1970	0.476	ppbv		90
5) Vinyl Chloride	1.583	62	1679	0.402	ppbv		96
6) Bromomethane	1.670	94	858	0.436	ppbv		93
7) Chloroethane	1.709	64	830	0.512	ppbv		100
8) Dichlorotetrafluoroethane	1.557	85	4161	0.439	ppbv		97
9) Propene	1.486	41	1942	0.462	ppbv		96
10) Heptane	4.988	43	3769m	0.349	ppbv		
11) Trichlorofluoromethane	1.881	101	5294	0.471	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.143	101	3784	0.442	ppbv		100
13) Ethanol	1.725	45	356	1.022	ppbv		89
14) Bromoethene	1.784	108	1254	0.434	ppbv	#	90
15) Acetone	1.839	43	6432	0.556	ppbv		95
16) 1,3-Butadiene	1.612	39	2222	0.487	ppbv		91
17) tert-Butyl alcohol	2.046	59	4994	0.435	ppbv		98
18) 1,1-Dichloroethene	2.039	96	1744	0.486	ppbv		91
19) Isopropyl Alcohol	1.890	45	4291	0.618	ppbv	#	36
20) Methylene Chloride	2.068	84	1753	0.531	ppbv	#	81
21) Allyl Chloride	2.098	41	2805	0.447	ppbv		91
22) trans-1,2-Dichloroethene	2.347	96	1581	0.385	ppbv		95
23) Vinyl Acetate	2.467	43	2040	0.380	ppbv	#	52
24) 1,1-Dichloroethane	2.415	63	3749	0.451	ppbv	#	96
25) Ethyl Acetate	2.845	43	8231	0.382	ppbv		98
26) Hexane	2.829	57	3283	0.402	ppbv		97
27) Carbon Disulfide	2.153	76	2378	0.323	ppbv	#	1
28) Methyl tert-Butyl Ether	2.444	73	2717	0.410	ppbv	#	88
29) Chloroform	2.855	83	5860	0.471	ppbv	#	82
30) Cyclohexane	3.868	84	2463m	0.354	ppbv		
31) cis-1,2-Dichloroethene	2.729	61	3657	0.433	ppbv		88
32) 1,1,1-Trichloroethane	3.376	97	4715	0.372	ppbv		90
34) 2-Butanone	2.567	43	5414	0.427	ppbv		94
35) Carbon Tetrachloride	3.771	117	4408	0.394	ppbv	#	90
36) Benzene	3.664	78	7333	0.449	ppbv	#	94
37) 1,2-Dichloroethane	3.224	62	4697	0.463	ppbv		100
38) Trichloroethene	4.557	130	2715m	0.392	ppbv		
39) 1,2-Dichloropropane	4.331	63	2512m	0.426	ppbv		
40) 1,4-Dioxane	4.619	88	1194m	0.414	ppbv		
41) Tetrahydrofuran	3.072	42	2894	0.407	ppbv		99
42) Bromodichloromethane	4.499	83	4072m	0.349	ppbv		
43) Methyl Methacrylate	4.894	69	2215m	0.356	ppbv		
44) 2,2,4-Trimethylpentane	4.645	57	10567m	0.379	ppbv		
45) t-1,3-Dichloropropene	6.431	75	2057m	0.320	ppbv		

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46)	cis-1,3-Dichloropropene	5.616	75	2646m	0.324	ppbv		
47)	1,1,2-Trichloroethane	6.590	97	2635m	0.427	ppbv		
48)	Dibromochloromethane	7.399	129	2542m	0.302	ppbv		
49)	Bromoform	9.490	173	1795	0.260	ppbv		94
50)	4-Methyl-2-Pentanone	5.778	43	6267m	0.363	ppbv		
51)	2-Hexanone	7.454	43	4783m	0.341	ppbv		
52)	Tetrachloroethene	8.234	164	2415m	0.398	ppbv		
53)	Toluene	6.943	91	6342m	0.343	ppbv		
54)	1,2-Dibromoethane	7.665	107	3441m	0.405	ppbv		
56)	1,1,1,2-Tetrachloroethane	8.933	131	3229	0.443	ppbv	#	1
57)	Chlorobenzene	8.930	112	6413	0.456	ppbv		93
58)	Ethyl Benzene	9.364	91	9087	0.367	ppbv		98
59)	m/p-Xylene	9.558	91	14686m	0.739	ppbv		
60)	o-Xylene	9.972	91	7155	0.359	ppbv		96
61)	Styrene	9.878	104	2658m	0.308	ppbv		
62)	Isopropylbenzene	10.545	105	11554	0.386	ppbv		98
63)	1,1,2,2-Tetrachloroethane	9.969	83	4963	0.398	ppbv		95
64)	n-propylbenzene	10.998	120	2627	0.347	ppbv		99
65)	tert-Butylbenzene	11.539	119	9709	0.359	ppbv		97
66)	Benzyl Chloride	11.620	91	850m	0.357	ppbv		
67)	sec-Butylbenzene	11.775	105	13267	0.355	ppbv		96
69)	p-Isopropyltoluene	11.934	119	10249	0.332	ppbv		97
70)	n-Butylbenzene	12.287	91	9580	0.322	ppbv		100
71)	2-Chlorotoluene	10.908	91	8553	0.374	ppbv		98
72)	4-Ethyltoluene	11.131	105	8290	0.352	ppbv		97
73)	1,3,5-Trimethylbenzene	11.209	105	6923	0.355	ppbv		88
74)	1,2,4-Trimethylbenzene	11.542	105	6854	0.326	ppbv	#	85
75)	1,3-Dichlorobenzene	11.613	146	5957	0.445	ppbv		97
76)	1,4-Dichlorobenzene	11.678	146	5484	0.415	ppbv		95
77)	1,2-Dichlorobenzene	11.953	146	5172	0.401	ppbv		91
78)	Hexachloro-1,3-Butadiene	13.889	225	4188	0.438	ppbv		95
79)	Naphthalene	13.520	128	3451	0.236	ppbv	#	91
80)	Naphthalene,2-methyl-	14.471	142	346	0.076	ppbv	#	83
81)	1,2,4-Trichlorobenzene	13.448	180	2417	0.302	ppbv		92

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

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