Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041880.D
Acq On : 09 Jan 2025 22:47
Operator : SY/MD
Sample : MDL 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 10 01:53:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	120831	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	361107	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	319960	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	259818	10.127	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	2963	0.149	ppbv		94
3) Chlorodifluoromethane	1.479	51	3278	0.150	ppbv		100
4) Chloromethane	1.538	50	1292	0.168	ppbv	#	86
5) Vinyl Chloride	1.586	62	1067	0.130	ppbv		97
6) Bromomethane	1.674	94	501	0.130	ppbv	#	19
7) Chloroethane	1.716	64	560	0.176	ppbv	#	81
8) Dichlorotetrafluoroethane	1.560	85	2345	0.136	ppbv		97
9) Propene	1.489	41	1930	0.190	ppbv	#	66
10) Heptane	5.004	43	3540m	0.132	ppbv		
11) Trichlorofluoromethane	1.884	101	3068m	0.150	ppbv		
12) 1,1,2-Trichlorotrifluo...	2.149	101	2370	0.144	ppbv		93
13) Ethanol	1.729	45	950m	1.471	ppbv		
14) Bromoethene	1.790	108	910	0.154	ppbv	#	64
15) Acetone	1.845	43	5810	0.285	ppbv		93
16) 1,3-Butadiene	1.615	39	1801	0.206	ppbv	#	78
17) tert-Butyl alcohol	2.052	59	3031	0.131	ppbv	#	70
18) 1,1-Dichloroethene	2.043	96	1106m	0.148	ppbv		
19) Isopropyl Alcohol	1.894	45	3255	0.304	ppbv	#	36
20) Methylene Chloride	2.068	84	2098	0.302	ppbv		84
21) Allyl Chloride	2.104	41	1651	0.127	ppbv	#	33
22) trans-1,2-Dichloroethene	2.350	96	1206	0.140	ppbv		82
23) Vinyl Acetate	2.473	43	2113	0.205	ppbv	#	90
24) 1,1-Dichloroethane	2.421	63	1940	0.119	ppbv		98
25) Ethyl Acetate	2.861	43	6716m	0.133	ppbv		
26) Hexane	2.839	57	2902	0.139	ppbv		88
27) Carbon Disulfide	2.162	76	2296	0.115	ppbv	#	1
28) Methyl tert-Butyl Ether	2.450	73	1870	0.118	ppbv	#	61
29) Chloroform	2.865	83	3698m	0.127	ppbv		
30) Cyclohexane	3.874	84	2155m	0.120	ppbv		
31) cis-1,2-Dichloroethene	2.732	61	2344	0.115	ppbv		98
32) 1,1,1-Trichloroethane	3.382	97	3338	0.115	ppbv	#	86
34) 2-Butanone	2.577	43	3901	0.130	ppbv		93
35) Carbon Tetrachloride	3.777	117	3095m	0.110	ppbv		
36) Benzene	3.671	78	5810m	0.139	ppbv		
37) 1,2-Dichloroethane	3.237	62	2932m	0.133	ppbv		
38) Trichloroethene	4.570	130	2122	0.128	ppbv	#	88
39) 1,2-Dichloropropane	4.341	63	1879m	0.126	ppbv		
40) 1,4-Dioxane	4.642	88	991m	0.132	ppbv		
41) Tetrahydrofuran	3.091	42	2509m	0.142	ppbv		
42) Bromodichloromethane	4.509	83	3533m	0.117	ppbv		
43) Methyl Methacrylate	4.910	69	1657m	0.097	ppbv		
44) 2,2,4-Trimethylpentane	4.667	57	8802m	0.124	ppbv		
45) t-1,3-Dichloropropene	6.451	75	1660m	0.095	ppbv		

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.632	75	2437m	0.108	ppbv		
47)	1,1,2-Trichloroethane	6.606	97	1877m	0.120	ppbv		
48)	Dibromochloromethane	7.412	129	2175m	0.091	ppbv		
49)	Bromoform	9.493	173	1740m	0.084	ppbv		
50)	4-Methyl-2-Pentanone	5.826	43	4517m	0.105	ppbv		
51)	2-Hexanone	7.474	43	4072m	0.116	ppbv		
52)	Tetrachloroethene	8.241	164	1787m	0.111	ppbv		
53)	Toluene	6.959	91	5453m	0.109	ppbv		
54)	1,2-Dibromoethane	7.671	107	2413m	0.113	ppbv		
56)	1,1,1,2-Tetrachloroethane	8.946	131	2224m	0.117	ppbv		
57)	Chlorobenzene	8.937	112	4615m	0.129	ppbv		
58)	Ethyl Benzene	9.370	91	7478	0.114	ppbv	#	87
59)	m/p-Xylene	9.545	91	10964m	0.211	ppbv		
60)	o-Xylene	9.982	91	5641	0.109	ppbv		89
61)	Styrene	9.888	104	2692m	0.104	ppbv		
62)	Isopropylbenzene	10.558	105	9517m	0.122	ppbv		
63)	1,1,2,2-Tetrachloroethane	9.979	83	3452	0.111	ppbv		99
64)	n-propylbenzene	10.998	120	2060	0.101	ppbv		97
65)	tert-Butylbenzene	11.545	119	7674	0.109	ppbv		99
66)	Benzyl Chloride	11.629	91	558m	0.076	ppbv		
67)	sec-Butylbenzene	11.782	105	10310	0.106	ppbv		95
69)	p-Isopropyltoluene	11.937	119	7957	0.096	ppbv		95
70)	n-Butylbenzene	12.296	91	8093	0.097	ppbv		96
71)	2-Chlorotoluene	10.911	91	6648	0.110	ppbv		89
72)	4-Ethyltoluene	11.141	105	6838	0.108	ppbv		96
73)	1,3,5-Trimethylbenzene	11.215	105	5879	0.109	ppbv		96
74)	1,2,4-Trimethylbenzene	11.552	105	7191	0.123	ppbv	#	75
75)	1,3-Dichlorobenzene	11.620	146	4446	0.126	ppbv		90
76)	1,4-Dichlorobenzene	11.688	146	4182	0.120	ppbv		90
77)	1,2-Dichlorobenzene	11.963	146	4195	0.126	ppbv		94
78)	Hexachloro-1,3-Butadiene	13.898	225	3752	0.131	ppbv		97
79)	Naphthalene	13.526	128	5990	0.095	ppbv	#	95
80)	Naphthalene,2-methyl-	14.474	142	2481	0.073	ppbv		97
81)	1,2,4-Trichlorobenzene	13.452	180	2919	0.097	ppbv	#	80

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

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