Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
Data File : VL041776.D
Acq On : 17 Dec 2024 13:41
Operator : SY/MD
Sample : MDL 0.4
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 21 03:11:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	57638	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	150237	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	127673	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	107174	10.073	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	5068	0.494	ppbv		93
3) Chlorodifluoromethane	1.476	51	4257	0.453	ppbv		95
4) Chloromethane	1.535	50	2094	0.522	ppbv		96
5) Vinyl Chloride	1.580	62	1841	0.455	ppbv		90
6) Bromomethane	1.670	94	938	0.492	ppbv		95
7) Chloroethane	1.706	64	721	0.459	ppbv	#	82
8) Dichlorotetrafluoroethane	1.557	85	4747	0.517	ppbv		98
9) Propene	1.486	41	1671	0.410	ppbv	#	81
10) Heptane	4.991	43	2954	0.282	ppbv		90
11) Trichlorofluoromethane	1.881	101	5819	0.534	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.143	101	4086	0.493	ppbv		95
13) Ethanol	1.722	45	426	1.263	ppbv		90
14) Bromoethene	1.784	108	1207	0.431	ppbv	#	72
15) Acetone	1.839	43	7258	0.647	ppbv		99
16) 1,3-Butadiene	1.612	39	2573	0.583	ppbv		86
17) tert-Butyl alcohol	2.046	59	5293	0.476	ppbv		94
18) 1,1-Dichloroethene	2.036	96	1551	0.447	ppbv		79
19) Isopropyl Alcohol	1.891	45	3912	0.581	ppbv	#	37
20) Methylene Chloride	2.065	84	2022	0.632	ppbv	#	88
21) Allyl Chloride	2.101	41	2566	0.422	ppbv		89
22) trans-1,2-Dichloroethene	2.340	96	1807	0.454	ppbv	#	77
23) Vinyl Acetate	2.467	43	2212m	0.425	ppbv		
24) 1,1-Dichloroethane	2.412	63	4108	0.510	ppbv	#	93
25) Ethyl Acetate	2.842	43	7791	0.373	ppbv		98
26) Hexane	2.832	57	3027	0.382	ppbv		97
27) Carbon Disulfide	2.153	76	2205	0.309	ppbv	#	1
28) Methyl tert-Butyl Ether	2.447	73	2913	0.454	ppbv		96
29) Chloroform	2.855	83	5756	0.477	ppbv		90
30) Cyclohexane	3.865	84	2370	0.352	ppbv		92
31) cis-1,2-Dichloroethene	2.726	61	3384	0.414	ppbv	#	88
32) 1,1,1-Trichloroethane	3.373	97	4812	0.392	ppbv		95
34) 2-Butanone	2.564	43	5516	0.456	ppbv		100
35) Carbon Tetrachloride	3.771	117	4780m	0.448	ppbv		
36) Benzene	3.664	78	6358	0.409	ppbv	#	83
37) 1,2-Dichloroethane	3.227	62	4888	0.505	ppbv		99
38) Trichloroethene	4.551	130	2449m	0.371	ppbv		
39) 1,2-Dichloropropane	4.321	63	2435	0.433	ppbv	#	76
40) 1,4-Dioxane	4.616	88	1093m	0.398	ppbv		
41) Tetrahydrofuran	3.072	42	1960m	0.289	ppbv		
42) Bromodichloromethane	4.496	83	4004m	0.360	ppbv		
43) Methyl Methacrylate	4.891	69	1928m	0.326	ppbv		
44) 2,2,4-Trimethylpentane	4.651	57	9455m	0.356	ppbv		
45) t-1,3-Dichloropropene	6.432	75	1810m	0.296	ppbv		

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

Instrument :
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MDL 0.4

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	2313m	0.297	ppbv		
47) 1,1,2-Trichloroethane	6.597	97	2538	0.432	ppbv	#	85
48) Dibromochloromethane	7.393	129	2503m	0.312	ppbv		
49) Bromoform	9.493	173	2023	0.308	ppbv		96
50) 4-Methyl-2-Pentanone	5.787	43	5264m	0.320	ppbv		
51) 2-Hexanone	7.458	43	3794	0.284	ppbv	#	87
52) Tetrachloroethene	8.234	164	2260	0.391	ppbv	#	80
53) Toluene	6.940	91	5268m	0.299	ppbv		
54) 1,2-Dibromoethane	7.668	107	3183m	0.393	ppbv		
56) 1,1,1,2-Tetrachloroethane	8.937	131	2971	0.439	ppbv	#	1
57) Chlorobenzene	8.933	112	6126	0.469	ppbv	#	91
58) Ethyl Benzene	9.367	91	6938	0.302	ppbv		94
59) m/p-Xylene	9.558	91	11209m	0.606	ppbv		
60) o-Xylene	9.972	91	5490	0.296	ppbv		95
61) Styrene	9.879	104	2169	0.271	ppbv		93
62) Isopropylbenzene	10.545	105	10008	0.359	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.969	83	5148	0.444	ppbv		99
64) n-propylbenzene	10.998	120	2280	0.324	ppbv		91
65) tert-Butylbenzene	11.539	119	7639	0.304	ppbv		96
66) Benzyl Chloride	11.617	91	644m	0.291	ppbv		
67) sec-Butylbenzene	11.775	105	11161	0.321	ppbv		98
69) p-Isopropyltoluene	11.934	119	8062	0.281	ppbv		97
70) n-Butylbenzene	12.290	91	7570	0.273	ppbv		95
71) 2-Chlorotoluene	10.908	91	7154	0.337	ppbv		96
72) 4-Ethyltoluene	11.131	105	6424	0.294	ppbv	#	96
73) 1,3,5-Trimethylbenzene	11.212	105	5400	0.298	ppbv		86
74) 1,2,4-Trimethylbenzene	11.545	105	5628	0.288	ppbv		91
75) 1,3-Dichlorobenzene	11.613	146	5457	0.439	ppbv		99
76) 1,4-Dichlorobenzene	11.678	146	4483	0.365	ppbv		89
77) 1,2-Dichlorobenzene	11.953	146	5642	0.471	ppbv		95
78) Hexachloro-1,3-Butadiene	13.886	225	4021	0.453	ppbv		95
79) Naphthalene	13.520	128	2701	0.199	ppbv	#	84
80) Naphthalene,2-methyl-	14.465	142	261	0.062	ppbv	#	63
81) 1,2,4-Trichlorobenzene	13.445	180	2211	0.298	ppbv		86

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

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