Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041840.D
Acq On : 07 Jan 2025 10:21
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	96549	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	232532	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	194086	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	164226	9.879	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	16559	1.045	ppbv		97
3) Chlorodifluoromethane	1.482	51	15873	1.049	ppbv		100
4) Chloromethane	1.538	50	6729	1.033	ppbv		98
5) Vinyl Chloride	1.586	62	6313	0.961	ppbv		97
6) Bromomethane	1.677	94	2955	1.050	ppbv		96
7) Chloroethane	1.712	64	2579	1.020	ppbv		94
8) Dichlorotetrafluoroethane	1.560	85	13682	1.001	ppbv		98
9) Propene	1.489	41	5371	1.019	ppbv		96
10) Heptane	5.010	43	11328	0.870	ppbv		94
11) Trichlorofluoromethane	1.887	101	16911	1.050	ppbv		91
12) 1,1,2-Trichlorotrifluo...	2.149	101	12386	1.032	ppbv		99
13) Ethanol	1.732	45	696m	1.149	ppbv		
14) Bromoethene	1.790	108	3972	1.011	ppbv	#	93
15) Acetone	1.845	43	20021	1.126	ppbv		99
16) 1,3-Butadiene	1.615	39	7124	1.022	ppbv		99
17) tert-Butyl alcohol	2.052	59	16296	1.058	ppbv		98
18) 1,1-Dichloroethene	2.046	96	5187	1.033	ppbv		99
19) Isopropyl Alcohol	1.897	45	9089	1.089	ppbv	#	1
20) Methylene Chloride	2.072	84	5540	1.090	ppbv		94
21) Allyl Chloride	2.107	41	9314	1.017	ppbv		98
22) trans-1,2-Dichloroethene	2.353	96	5931	1.057	ppbv		97
23) Vinyl Acetate	2.476	43	5463	0.958	ppbv	#	96
24) 1,1-Dichloroethane	2.424	63	12403	1.009	ppbv		98
25) Ethyl Acetate	2.855	43	28818	0.967	ppbv		96
26) Hexane	2.842	57	9441	0.913	ppbv		81
27) Carbon Disulfide	2.162	76	8674	0.883	ppbv	#	51
28) Methyl tert-Butyl Ether	2.453	73	8132	1.043	ppbv		94
29) Chloroform	2.865	83	20041	1.043	ppbv		96
30) Cyclohexane	3.881	84	6949	0.885	ppbv		94
31) cis-1,2-Dichloroethene	2.735	61	10514	0.987	ppbv		98
32) 1,1,1-Trichloroethane	3.386	97	16717	0.960	ppbv		100
34) 2-Butanone	2.573	43	17859	0.975	ppbv		99
35) Carbon Tetrachloride	3.787	117	15937	0.907	ppbv		98
36) Benzene	3.677	78	21504	0.968	ppbv		94
37) 1,2-Dichloroethane	3.237	62	14318	0.980	ppbv		97
38) Trichloroethene	4.583	130	8206m	0.942	ppbv		
39) 1,2-Dichloropropane	4.337	63	8600m	1.001	ppbv		
40) 1,4-Dioxane	4.625	88	3125m	0.939	ppbv		
41) Tetrahydrofuran	3.081	42	7497	0.868	ppbv		98
42) Bromodichloromethane	4.522	83	15637	0.913	ppbv	#	90
43) Methyl Methacrylate	4.910	69	5953m	0.853	ppbv		
44) 2,2,4-Trimethylpentane	4.677	57	32898	0.899	ppbv		91
45) t-1,3-Dichloropropene	6.451	75	5502	0.808	ppbv		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	7644m	0.853	ppbv		
47) 1,1,2-Trichloroethane	6.616	97	9034m	0.994	ppbv		
48) Dibromochloromethane	7.418	129	9977	0.862	ppbv		98
49) Bromoform	9.500	173	7621	0.822	ppbv		99
50) 4-Methyl-2-Pentanone	5.803	43	18288m	0.864	ppbv		
51) 2-Hexanone	7.477	43	11832	0.738	ppbv	#	100
52) Tetrachloroethene	8.247	164	6903m	1.048	ppbv		
53) Toluene	6.962	91	16301m	0.824	ppbv		
54) 1,2-Dibromoethane	7.681	107	10719	0.963	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.943	131	10939	0.989	ppbv	#	1
57) Chlorobenzene	8.946	112	20695	1.021	ppbv		95
58) Ethyl Benzene	9.377	91	20575	0.778	ppbv	#	86
59) m/p-Xylene	9.574	91	37403m	1.601	ppbv		
60) o-Xylene	9.985	91	17740	0.781	ppbv		95
61) Styrene	9.888	104	6320	0.717	ppbv		96
62) Isopropylbenzene	10.558	105	29086	0.815	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.982	83	18845	0.946	ppbv		96
64) n-propylbenzene	11.008	120	7978	0.871	ppbv		96
65) tert-Butylbenzene	11.548	119	27703	0.862	ppbv		99
66) Benzyl Chloride	11.633	91	2320	0.863	ppbv		97
67) sec-Butylbenzene	11.785	105	41306	0.880	ppbv		97
69) p-Isopropyltoluene	11.943	119	30189	0.820	ppbv		98
70) n-Butylbenzene	12.299	91	30246	0.817	ppbv		99
71) 2-Chlorotoluene	10.917	91	21930	0.847	ppbv		98
72) 4-Ethyltoluene	11.144	105	21421	0.780	ppbv		97
73) 1,3,5-Trimethylbenzene	11.222	105	19547	0.813	ppbv		98
74) 1,2,4-Trimethylbenzene	11.555	105	24542	0.881	ppbv		97
75) 1,3-Dichlorobenzene	11.626	146	18815	1.009	ppbv		98
76) 1,4-Dichlorobenzene	11.691	146	16488	0.919	ppbv		95
77) 1,2-Dichlorobenzene	11.963	146	19852	1.021	ppbv		99
78) Hexachloro-1,3-Butadiene	13.898	225	14814	1.074	ppbv		99
79) Naphthalene	13.529	128	16677	0.812	ppbv	#	96
80) Naphthalene,2-methyl-	14.474	142	5705	0.751	ppbv		97
81) 1,2,4-Trichlorobenzene	13.455	180	10080	0.886	ppbv		99

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

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