Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
Data File : VL041036.D
Acq On : 7 Feb 2024 11:57
Operator : SY/MD
Sample : VL0207ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 08 02:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Feb 08 02:04:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0207ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.166	49	1177529	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2987153	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2922716	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2277574	10.317	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	2376311	9.137	ppbv	97
3) Chlorodifluoromethane	2.652	51	1800172	9.089	ppbv	99
4) Chloromethane	2.790	50	689487	9.288	ppbv	100
5) Vinyl Chloride	2.896	62	720431	9.898	ppbv	99
6) Bromomethane	3.095	94	295060	9.311	ppbv	90
7) Chloroethane	3.172	64	246141	9.392	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	1771939	9.120	ppbv	99
9) Propene	2.671	41	606814	9.341	ppbv	97
10) Heptane	7.555	43	1528341	9.559	ppbv	99
11) Trichlorofluoromethane	3.539	101	1952095	9.315	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	1379514	9.083	ppbv	100
13) Ethanol	3.214	45	146662	9.473	ppbv	93
14) Bromoethene	3.343	108	566451	9.714	ppbv	99
15) Acetone	3.443	43	1290379	8.569	ppbv	99
16) 1,3-Butadiene	2.960	39	674068	9.357	ppbv	99
17) tert-Butyl alcohol	3.854	59	1214365	9.832	ppbv	100
18) 1,1-Dichloroethene	3.854	96	596032	9.166	ppbv	98
19) Isopropyl Alcohol	3.552	45	863492	9.906	ppbv	99
20) Methylene Chloride	3.909	84	493043	8.509	ppbv	97
21) Allyl Chloride	3.970	41	855868	9.355	ppbv	100
22) trans-1,2-Dichloroethene	4.420	96	640326	9.563	ppbv	98
23) Vinyl Acetate	4.600	43	1494505	9.628	ppbv	99
24) 1,1-Dichloroethane	4.539	63	1262910	9.172	ppbv	99
25) Ethyl Acetate	5.182	43	2574487	9.429	ppbv	100
26) Hexane	5.188	57	1112645	9.560	ppbv	98
27) Carbon Disulfide	4.098	76	1526560	10.080	ppbv	99
28) Methyl tert-Butyl Ether	4.561	73	863722	8.942	ppbv	98
29) Chloroform	5.250	83	1909210	9.249	ppbv	97
30) Cyclohexane	6.577	84	950053	9.743	ppbv	99
31) cis-1,2-Dichloroethene	5.053	61	1128790	10.334	ppbv	93
32) 1,1,1-Trichloroethane	5.979	97	1917388	9.719	ppbv	99
34) 2-Butanone	4.761	43	1400349	9.840	ppbv	100
35) Carbon Tetrachloride	6.468	117	2037080	10.226	ppbv	99
36) Benzene	6.346	78	2358050	9.558	ppbv	99
37) 1,2-Dichloroethane	5.783	62	1457425	9.680	ppbv	100
38) Trichloroethene	7.269	130	951677	9.622	ppbv	97
39) 1,2-Dichloropropane	7.047	63	938878	9.661	ppbv	98
40) 1,4-Dioxane	7.259	88	418048	10.356	ppbv	89
41) Tetrahydrofuran	5.529	42	969186	10.030	ppbv	99
42) Bromodichloromethane	7.224	83	2129687	9.887	ppbv	99
43) Methyl Methacrylate	7.446	69	990739	10.407	ppbv	100
44) 2,2,4-Trimethylpentane	7.304	57	3962010	9.544	ppbv	99
45) t-1,3-Dichloropropene	8.687	75	780020	11.992	ppbv	100

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.121	75	902550	11.126	ppbv		97
47)	1,1,2-Trichloroethane	8.873	97	1033315	9.864	ppbv		97
48)	Dibromochloromethane	9.683	129	1825079	10.305	ppbv		99
49)	Bromoform	12.381	173	1530766	11.019	ppbv		100
50)	4-Methyl-2-Pentanone	8.159	43	2557627	10.205	ppbv		100
51)	2-Hexanone	9.526	43	1884400	10.431	ppbv	#	99
52)	Tetrachloroethene	10.587	164	839498	10.247	ppbv		97
53)	Toluene	9.195	91	2748615	10.170	ppbv		99
54)	1,2-Dibromoethane	9.982	107	1491872	10.516	ppbv		97
56)	1,1,1,2-Tetrachloroethane	11.484	131	1333024	9.506	ppbv		99
57)	Chlorobenzene	11.503	112	2169721	9.229	ppbv		99
58)	Ethyl Benzene	12.063	91	3793639	9.666	ppbv		100
59)	m/p-Xylene	12.349	91	6525733m	19.070	ppbv		
60)	o-Xylene	13.034	91	3150747	9.597	ppbv		100
61)	Styrene	12.873	104	1603127	10.634	ppbv		99
62)	Isopropylbenzene	14.005	105	4571636	9.416	ppbv		99
63)	1,1,2,2-Tetrachloroethane	13.024	83	2354709	9.228	ppbv		99
64)	n-propylbenzene	14.892	120	1179373	9.614	ppbv		99
65)	tert-Butylbenzene	16.066	119	4018728	9.473	ppbv		100
66)	Benzyl Chloride	16.301	91	301553	10.848	ppbv		98
67)	sec-Butylbenzene	16.609	105	5679391	9.194	ppbv		99
69)	p-Isopropyltoluene	16.969	119	4581331	9.575	ppbv		100
70)	n-Butylbenzene	17.860	91	4918429	9.513	ppbv		100
71)	2-Chlorotoluene	14.777	91	3585890	9.572	ppbv		100
72)	4-Ethyltoluene	15.166	105	3652397	9.961	ppbv		99
73)	1,3,5-Trimethylbenzene	15.330	105	3136805	9.639	ppbv		99
74)	1,2,4-Trimethylbenzene	16.085	105	3461461	9.383	ppbv	#	89
75)	1,3-Dichlorobenzene	16.304	146	1998641	9.520	ppbv		99
76)	1,4-Dichlorobenzene	16.448	146	1949469	9.410	ppbv		100
77)	1,2-Dichlorobenzene	17.117	146	1952821	9.358	ppbv		99
78)	Hexachloro-1,3-Butadiene	22.603	225	1108287	8.236	ppbv		99
79)	Naphthalene	21.355	128	2483840	11.803	ppbv		99
80)	Naphthalene,2-methyl-	24.352	142	464376	12.564	ppbv		96
81)	1,2,4-Trichlorobenzene	21.114	180	1219730	9.934	ppbv		100

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

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