Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041129.D
Acq On : 4 Apr 2024 17:28
Operator : SY/MD
Sample : VL0404ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 05:10:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.214	49	1389122	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	3549601	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	3460381	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	2837866	10.199	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	2280305	9.597	ppbv	99
3) Chlorodifluoromethane	2.677	51	1990925	9.305	ppbv	99
4) Chloromethane	2.819	50	759097	9.375	ppbv	100
5) Vinyl Chloride	2.928	62	776761	9.931	ppbv	100
6) Bromomethane	3.124	94	250701	8.516	ppbv	92
7) Chloroethane	3.205	64	270309	9.417	ppbv	98
8) Dichlorotetrafluoroethane	2.864	85	1934480	9.544	ppbv	99
9) Propene	2.697	41	676733	9.943	ppbv	95
10) Heptane	7.607	43	1678165	10.385	ppbv	100
11) Trichlorofluoromethane	3.575	101	1991434	9.242	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.079	101	1439150	9.228	ppbv	98
13) Ethanol	3.250	45	120834m	7.464	ppbv	
14) Bromoethene	3.375	108	609701	9.926	ppbv	99
15) Acetone	3.478	43	1472945	9.793	ppbv	99
16) 1,3-Butadiene	2.989	39	731085	9.902	ppbv	99
17) tert-Butyl alcohol	3.893	59	1381887	10.144	ppbv	99
18) 1,1-Dichloroethene	3.893	96	652712	9.803	ppbv	99
19) Isopropyl Alcohol	3.584	45	915848	10.023	ppbv #	97
20) Methylene Chloride	3.947	84	544651	8.780	ppbv	97
21) Allyl Chloride	4.012	41	866614	9.456	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	678716	9.723	ppbv	98
23) Vinyl Acetate	4.645	43	1541344	10.031	ppbv	99
24) 1,1-Dichloroethane	4.581	63	1345921	9.627	ppbv	99
25) Ethyl Acetate	5.224	43	2762385	9.779	ppbv	99
26) Hexane	5.234	57	1187589	9.370	ppbv	98
27) Carbon Disulfide	4.140	76	1643278	10.581	ppbv	98
28) Methyl tert-Butyl Ether	4.603	73	909854	9.512	ppbv	98
29) Chloroform	5.298	83	2066504	9.672	ppbv	99
30) Cyclohexane	6.629	84	1015890	9.840	ppbv	99
31) cis-1,2-Dichloroethene	5.099	61	1199230	9.996	ppbv	98
32) 1,1,1-Trichloroethane	6.028	97	2049605	10.377	ppbv	100
34) 2-Butanone	4.803	43	1461000	9.727	ppbv	99
35) Carbon Tetrachloride	6.520	117	2132440	10.552	ppbv	97
36) Benzene	6.398	78	2589236	9.933	ppbv	99
37) 1,2-Dichloroethane	5.828	62	1581744	10.106	ppbv	100
38) Trichloroethene	7.320	130	1021929	10.851	ppbv	97
39) 1,2-Dichloropropane	7.098	63	1005961	9.787	ppbv	99
40) 1,4-Dioxane	7.317	88	375166m	10.474	ppbv	
41) Tetrahydrofuran	5.578	42	1039671	10.396	ppbv	99
42) Bromodichloromethane	7.275	83	2305059	10.309	ppbv	97
43) Methyl Methacrylate	7.500	69	1081398	10.891	ppbv	98
44) 2,2,4-Trimethylpentane	7.356	57	4339012	10.055	ppbv	99
45) t-1,3-Dichloropropene	8.742	75	586035	10.016	ppbv	96

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.172	75	761994	10.065	ppbv		99
47)	1,1,2-Trichloroethane	8.928	97	1117012	10.055	ppbv		99
48)	Dibromochloromethane	9.745	129	1940510	11.005	ppbv		99
49)	Bromoform	12.442	173	1572289	11.255	ppbv		99
50)	4-Methyl-2-Pentanone	8.211	43	2809897	10.630	ppbv		100
51)	2-Hexanone	9.581	43	2024773	11.048	ppbv	#	100
52)	Tetrachloroethene	10.648	164	886962	10.665	ppbv		97
53)	Toluene	9.253	91	3008080	10.960	ppbv		99
54)	1,2-Dibromoethane	10.041	107	1467635	10.594	ppbv		99
56)	1,1,1,2-Tetrachloroethane	11.542	131	1421979	9.999	ppbv		97
57)	Chlorobenzene	11.561	112	2330208	9.837	ppbv		99
58)	Ethyl Benzene	12.121	91	4081276	10.773	ppbv		99
59)	m/p-Xylene	12.407	91	7113455m	20.791	ppbv		
60)	o-Xylene	13.092	91	3394410	10.471	ppbv		100
61)	Styrene	12.931	104	1681761	11.707	ppbv		99
62)	Isopropylbenzene	14.063	105	4936423	10.228	ppbv		99
63)	1,1,2,2-Tetrachloroethane	13.082	83	2618183	10.279	ppbv		99
64)	n-propylbenzene	14.950	120	1305387	10.778	ppbv		98
65)	tert-Butylbenzene	16.124	119	4432990	10.521	ppbv		100
66)	Benzyl Chloride	16.359	91	209229m	7.547	ppbv		
67)	sec-Butylbenzene	16.670	105	6358133	10.445	ppbv		100
69)	p-Isopropyltoluene	17.027	119	5147162	10.843	ppbv		100
70)	n-Butylbenzene	17.918	91	5688495	11.031	ppbv		100
71)	2-Chlorotoluene	14.835	91	3885784	10.497	ppbv		99
72)	4-Ethyltoluene	15.227	105	4001744	11.052	ppbv		99
73)	1,3,5-Trimethylbenzene	15.384	105	3471686	10.871	ppbv		99
74)	1,2,4-Trimethylbenzene	16.143	105	3851163	10.538	ppbv		97
75)	1,3-Dichlorobenzene	16.365	146	2253301	10.560	ppbv		100
76)	1,4-Dichlorobenzene	16.506	146	2189410	10.548	ppbv		99
77)	1,2-Dichlorobenzene	17.175	146	2200226	10.619	ppbv		99
78)	Hexachloro-1,3-Butadiene	22.667	225	1406137m	10.207	ppbv		
79)	Naphthalene	21.423	128	3349641	14.286	ppbv		99
80)	Naphthalene,2-methyl-	24.406	142	657877	14.404	ppbv		97
81)	1,2,4-Trichlorobenzene	21.175	180	1614698	12.285	ppbv		100

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

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