Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
Data File : VL041068.D
Acq On : 15 Feb 2024 12:49
Operator : SY/MD
Sample : VL0215ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 16 04:07:26 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 : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.176	49	1215688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3153913	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3081831m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2343701	10.069	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	2484140	9.252	ppbv	97
3) Chlorodifluoromethane	2.658	51	1918571	9.383	ppbv	99
4) Chloromethane	2.796	50	728923	9.511	ppbv	99
5) Vinyl Chloride	2.903	62	764826	10.178	ppbv	100
6) Bromomethane	3.102	94	318283	9.728	ppbv	98
7) Chloroethane	3.179	64	279356	10.325	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	1848139	9.214	ppbv	98
9) Propene	2.677	41	667908	9.958	ppbv	95
10) Heptane	7.565	43	1651673	10.006	ppbv	99
11) Trichlorofluoromethane	3.546	101	1970994	9.110	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1411038	8.999	ppbv	99
13) Ethanol	3.224	45	143715	8.991	ppbv	97
14) Bromoethene	3.349	108	589035	9.784	ppbv	99
15) Acetone	3.452	43	1368136	8.800	ppbv	99
16) 1,3-Butadiene	2.967	39	706574	9.501	ppbv	97
17) tert-Butyl alcohol	3.861	59	1268070	9.945	ppbv	100
18) 1,1-Dichloroethene	3.864	96	622782	9.277	ppbv	98
19) Isopropyl Alcohol	3.558	45	926958	10.301	ppbv #	98
20) Methylene Chloride	3.919	84	531898	8.891	ppbv	92
21) Allyl Chloride	3.980	41	904772	9.579	ppbv	98
22) trans-1,2-Dichloroethene	4.430	96	656041	9.491	ppbv	97
23) Vinyl Acetate	4.613	43	1498366	9.350	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1325380	9.323	ppbv	99
25) Ethyl Acetate	5.189	43	2823360	10.016	ppbv	100
26) Hexane	5.198	57	1231676	10.251	ppbv	97
27) Carbon Disulfide	4.108	76	1567395	10.024	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	921863	9.244	ppbv	99
29) Chloroform	5.263	83	2067377	9.701	ppbv	99
30) Cyclohexane	6.587	84	1030802	10.239	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1236450	10.964	ppbv	94
32) 1,1,1-Trichloroethane	5.989	97	2028559	9.959	ppbv	99
34) 2-Butanone	4.771	43	1617567	10.765	ppbv	99
35) Carbon Tetrachloride	6.481	117	2167788	10.307	ppbv	100
36) Benzene	6.356	78	2622966	10.070	ppbv	97
37) 1,2-Dichloroethane	5.793	62	1542079	9.701	ppbv	100
38) Trichloroethene	7.279	130	1024736	9.813	ppbv	99
39) 1,2-Dichloropropane	7.057	63	1017431	9.915	ppbv	98
40) 1,4-Dioxane	7.272	88	436381	10.239	ppbv	96
41) Tetrahydrofuran	5.542	42	1069737	10.485	ppbv	99
42) Bromodichloromethane	7.237	83	2274166	9.999	ppbv	98
43) Methyl Methacrylate	7.462	69	1084156	10.786	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	4337476	9.896	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	871096	12.684	ppbv	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	8.127	75	1032333	12.053	ppbv	96
47)	1,1,2-Trichloroethane	8.889	97	1113411	10.067	ppbv	97
48)	Dibromochloromethane	9.696	129	1947172	10.413	ppbv	100
49)	Bromoform	12.394	173	1599128	10.902	ppbv	100
50)	4-Methyl-2-Pentanone	8.169	43	2737109	10.344	ppbv	100
51)	2-Hexanone	9.539	43	2002304	10.498	ppbv	98
52)	Tetrachloroethene	10.603	164	895307	10.350	ppbv	98
53)	Toluene	9.208	91	3000082	10.514	ppbv	99
54)	1,2-Dibromoethane	9.996	107	1611642	10.759	ppbv	99
56)	1,1,1,2-Tetrachloroethane	11.497	131	1422924	9.623	ppbv	96
57)	Chlorobenzene	11.513	112	2343542	9.454	ppbv	99
58)	Ethyl Benzene	12.076	91	4101805	9.912	ppbv	99
59)	m/p-Xylene	12.356	91	6951322m	19.265	ppbv	
60)	o-Xylene	13.044	91	3340185	9.648	ppbv	99
61)	Styrene	12.886	104	1732766	10.900	ppbv	99
62)	Isopropylbenzene	14.018	105	4846298	9.466	ppbv	100
63)	1,1,2,2-Tetrachloroethane	13.034	83	2467446	9.171	ppbv	100
64)	n-propylbenzene	14.902	120	1273672	9.847	ppbv	96
65)	tert-Butylbenzene	16.079	119	4263699	9.532	ppbv	99
66)	Benzyl Chloride	16.314	91	311068	10.612	ppbv	99
67)	sec-Butylbenzene	16.625	105	6027327	9.254	ppbv	99
69)	p-Isopropyltoluene	16.982	119	4874466	9.661	ppbv	100
70)	n-Butylbenzene	17.876	91	5189041	9.518	ppbv	100
71)	2-Chlorotoluene	14.790	91	3777595	9.563	ppbv	99
72)	4-Ethyltoluene	15.182	105	3850434	9.959	ppbv	100
73)	1,3,5-Trimethylbenzene	15.339	105	3350936	9.766	ppbv	99
74)	1,2,4-Trimethylbenzene	16.095	105	3639453	9.356	ppbv	97
75)	1,3-Dichlorobenzene	16.317	146	2094467	9.461	ppbv	100
76)	1,4-Dichlorobenzene	16.461	146	2071142	9.481	ppbv	99
77)	1,2-Dichlorobenzene	17.130	146	2041351	9.277	ppbv	98
78)	Hexachloro-1,3-Butadiene	22.619	225	1171925	8.259	ppbv	100
79)	Naphthalene	21.374	128	2530359	11.403	ppbv	99
80)	Naphthalene,2-methyl-	24.361	142	510000	13.086	ppbv	95
81)	1,2,4-Trichlorobenzene	21.127	180	1251761	9.669	ppbv	99

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

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