Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
Data File : VL040007.D
Acq On : 13 Dec 2022 15:29
Operator : SY/MD
Sample : VL1213ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 02:36:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.172	49	1133195	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3154634	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	3014646	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2234233	9.703	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.709	85	1410144	8.689	ppbv	98
3) Chlorodifluoromethane	2.655	51	1236342	7.906	ppbv	98
4) Chloromethane	2.793	50	772280	7.729	ppbv	97
5) Vinyl Chloride	2.899	62	682760	8.744	ppbv	99
6) Bromomethane	3.099	94	241643	9.073	ppbv	99
7) Chloroethane	3.176	64	249847	8.095	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1656408	8.938	ppbv	100
9) Propene	2.674	41	552881	7.506	ppbv	99
10) Heptane	7.561	43	1380321	7.766	ppbv	99
11) Trichlorofluoromethane	3.542	101	1698165	8.578	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1294493	8.640	ppbv	96
13) Ethanol	3.221	45	28421	5.054	ppbv	91
14) Bromoethene	3.346	108	528126	9.039	ppbv	98
15) Acetone	3.446	43	1164413	7.747	ppbv	99
16) 1,3-Butadiene	2.963	39	618910	8.262	ppbv	99
17) tert-Butyl alcohol	3.857	59	1310209	7.582	ppbv	99
18) 1,1-Dichloroethene	3.857	96	580513	8.494	ppbv	98
19) Isopropyl Alcohol	3.555	45	601555	7.392	ppbv #	33
20) Methylene Chloride	3.912	84	483396	6.638	ppbv	97
21) Allyl Chloride	3.976	41	823169	7.895	ppbv	100
22) trans-1,2-Dichloroethene	4.426	96	597052	8.591	ppbv	98
23) Vinyl Acetate	4.603	43	468449	7.586	ppbv	98
24) 1,1-Dichloroethane	4.542	63	1225078	8.228	ppbv	99
25) Ethyl Acetate	5.185	43	2439075	8.838	ppbv	100
26) Hexane	5.192	57	1067226	8.853	ppbv	97
27) Carbon Disulfide	4.105	76	1358930	8.929	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	1179575	7.815	ppbv	98
29) Chloroform	5.256	83	1773112	11.068	ppbv	99
30) Cyclohexane	6.584	84	940470	7.949	ppbv	95
31) cis-1,2-Dichloroethene	5.060	61	931183	8.360	ppbv	95
32) 1,1,1-Trichloroethane	5.986	97	1773661	8.865	ppbv	98
34) 2-Butanone	4.767	43	1329576	8.808	ppbv	98
35) Carbon Tetrachloride	6.478	117	1811413	10.111	ppbv	98
36) Benzene	6.352	78	2351791	8.771	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1333976	9.078	ppbv	100
38) Trichloroethene	7.275	130	1337429	8.923	ppbv	98
39) 1,2-Dichloropropane	7.053	63	890475	8.524	ppbv	96
40) 1,4-Dioxane	7.272	88	349694	8.402	ppbv	97
41) Tetrahydrofuran	5.539	42	878474	8.430	ppbv	97
42) Bromodichloromethane	7.233	83	1956083	9.816	ppbv	99
43) Methyl Methacrylate	7.458	69	933504	8.880	ppbv	97
44) 2,2,4-Trimethylpentane	7.311	57	3796690	8.482	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	863843	8.894	ppbv	99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.127	75	1174648	8.730	ppbv		100
47)	1,1,2-Trichloroethane	8.883	97	964251	8.981	ppbv		98
48)	Dibromochloromethane	9.696	129	1600897	10.180	ppbv		100
49)	Bromoform	12.394	173	1237715	9.723	ppbv		99
50)	4-Methyl-2-Pentanone	8.166	43	2290335	8.472	ppbv		100
51)	2-Hexanone	9.539	43	1767467	8.422	ppbv	#	100
52)	Tetrachloroethene	10.603	164	803652	8.012	ppbv		96
53)	Toluene	9.204	91	2682590	8.782	ppbv		99
54)	1,2-Dibromoethane	9.992	107	1106351	9.656	ppbv		98
56)	1,1,1,2-Tetrachloroethane	11.494	131	1142376	9.270	ppbv		96
57)	Chlorobenzene	11.513	112	2039931	8.850	ppbv		97
58)	Ethyl Benzene	12.076	91	3564491	8.715	ppbv		99
59)	m/p-Xylene	12.359	91	5974560m	17.454	ppbv		
60)	o-Xylene	13.047	91	2853261	8.741	ppbv		98
61)	Styrene	12.883	104	1710553	8.779	ppbv		100
62)	Isopropylbenzene	14.018	105	4071838	8.650	ppbv		98
63)	1,1,2,2-Tetrachloroethane	13.034	83	981419	9.004	ppbv		99
64)	n-propylbenzene	14.905	120	1066268	8.659	ppbv		91
65)	tert-Butylbenzene	16.079	119	3499110	8.497	ppbv		100
66)	Benzyl Chloride	16.313	91	221086	6.265	ppbv		96
67)	sec-Butylbenzene	16.625	105	4828260	8.527	ppbv		98
69)	p-Isopropyltoluene	16.982	119	3913829	8.391	ppbv		98
70)	n-Butylbenzene	17.876	91	3969441	8.584	ppbv		98
71)	2-Chlorotoluene	14.789	91	3033597	8.502	ppbv		99
72)	4-Ethyltoluene	15.178	105	3252978	8.865	ppbv		100
73)	1,3,5-Trimethylbenzene	15.339	105	2854112	8.497	ppbv		98
74)	1,2,4-Trimethylbenzene	16.098	105	3028510	8.516	ppbv		97
75)	1,3-Dichlorobenzene	16.320	146	1682060	8.407	ppbv		99
76)	1,4-Dichlorobenzene	16.461	146	1630471	8.220	ppbv		98
77)	1,2-Dichlorobenzene	17.133	146	1587950	8.232	ppbv		99
78)	Hexachloro-1,3-Butadiene	22.619	225	900797	6.730	ppbv		99
79)	Naphthalene	21.371	128	1757314	8.257	ppbv		99
80)	Naphthalene,2-methyl-	24.361	142	441440	7.374	ppbv		94
81)	1,2,4-Trichlorobenzene	21.120	180	999608m	7.605	ppbv		

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

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