Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
Data File : VL039697.D
Acq On : 10 Oct 2022 15:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 10 15:37:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.198	49	1101067	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2896789	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2979554m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2075478	9.331	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	1040264	8.149	ppbv	98
3) Chlorodifluoromethane	2.694	51	1191229	9.117	ppbv	96
4) Chloromethane	2.832	50	638226	8.094	ppbv	98
5) Vinyl Chloride	2.938	62	608885	9.264	ppbv	98
6) Bromomethane	3.134	94	236260	9.747	ppbv	99
7) Chloroethane	3.214	64	212933	8.859	ppbv	100
8) Dichlorotetrafluoroethane	2.874	85	1401672	9.154	ppbv	95
9) Propene	2.713	41	550065	9.217	ppbv	98
10) Heptane	7.578	43	1380741	9.915	ppbv	98
11) Trichlorofluoromethane	3.578	101	1456840	9.216	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	1094985	9.171	ppbv	99
13) Ethanol	3.256	45	38877m	8.550	ppbv	
14) Bromoethene	3.382	108	453439	9.513	ppbv	99
15) Acetone	3.481	43	1079579	8.811	ppbv	98
16) 1,3-Butadiene	3.002	39	608602	9.792	ppbv	97
17) tert-Butyl alcohol	3.890	59	1038340	9.444	ppbv	98
18) 1,1-Dichloroethene	3.893	96	484655	9.226	ppbv	97
19) Isopropyl Alcohol	3.591	45	532803	8.531	ppbv	100
20) Methylene Chloride	3.944	84	425192	7.506	ppbv	98
21) Allyl Chloride	4.012	41	744051	8.918	ppbv	98
22) trans-1,2-Dichloroethene	4.455	96	476944	9.177	ppbv	95
23) Vinyl Acetate	4.632	43	345956m	6.246	ppbv	
24) 1,1-Dichloroethane	4.574	63	1038228	9.413	ppbv	99
25) Ethyl Acetate	5.211	43	2740608	10.258	ppbv	99
26) Hexane	5.218	57	1022495	9.019	ppbv	86
27) Carbon Disulfide	4.134	76	1128065	9.468	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	871212	9.147	ppbv	99
29) Chloroform	5.279	83	1455068	8.890	ppbv	98
30) Cyclohexane	6.603	84	852297	9.708	ppbv	96
31) cis-1,2-Dichloroethene	5.086	61	946319	9.229	ppbv	98
32) 1,1,1-Trichloroethane	6.008	97	1445718	9.757	ppbv	98
34) 2-Butanone	4.796	43	1236378	8.689	ppbv	96
35) Carbon Tetrachloride	6.494	117	1528691	9.941	ppbv	98
36) Benzene	6.372	78	2106019	9.509	ppbv	98
37) 1,2-Dichloroethane	5.809	62	1101816	9.141	ppbv	99
38) Trichloroethene	7.288	130	949163	7.930	ppbv	99
39) 1,2-Dichloropropane	7.073	63	788851	9.224	ppbv	94
40) 1,4-Dioxane	7.288	88	305155	8.739	ppbv #	1
41) Tetrahydrofuran	5.565	42	868559	9.950	ppbv	96
42) Bromodichloromethane	7.246	83	1627476	9.707	ppbv	99
43) Methyl Methacrylate	7.478	69	853255	10.569	ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	3578527	9.375	ppbv	98
45) t-1,3-Dichloropropene	8.706	75	586335	8.595	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	896238	9.228	ppbv		96
47) 1,1,2-Trichloroethane	8.896	97	871100	9.319	ppbv		98
48) Dibromochloromethane	9.703	129	1442324	10.247	ppbv		100
49) Bromoform	12.401	173	1227249	10.541	ppbv		99
50) 4-Methyl-2-Pentanone	8.179	43	2226906	9.960	ppbv		98
51) 2-Hexanone	9.549	43	1681171	10.158	ppbv	#	100
52) Tetrachloroethene	10.610	164	792936	9.385	ppbv		97
53) Toluene	9.217	91	2464678	10.006	ppbv		100
54) 1,2-Dibromoethane	10.002	107	1120538	11.205	ppbv		99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1114939	9.260	ppbv		99
57) Chlorobenzene	11.520	112	1850873	8.448	ppbv	#	96
58) Ethyl Benzene	12.082	91	3290233	9.577	ppbv		97
59) m/p-Xylene	12.365	91	5508292m	18.017	ppbv		
60) o-Xylene	13.050	91	2670288	9.146	ppbv		98
61) Styrene	12.886	104	1542189	9.808	ppbv		99
62) Isopropylbenzene	14.021	105	4147003	9.439	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1635225m	14.041	ppbv		
64) n-propylbenzene	14.908	120	1071768	9.527	ppbv		95
65) tert-Butylbenzene	16.085	119	3692680	9.514	ppbv		100
66) Benzyl Chloride	16.317	91	197588m	6.394	ppbv		
67) sec-Butylbenzene	16.629	105	5208466	9.567	ppbv		98
69) p-Isopropyltoluene	16.989	119	4384464	9.801	ppbv		99
70) n-Butylbenzene	17.879	91	4397775	10.029	ppbv		99
71) 2-Chlorotoluene	14.793	91	3056851	9.637	ppbv		99
72) 4-Ethyltoluene	15.185	105	3204760	9.615	ppbv		99
73) 1,3,5-Trimethylbenzene	15.343	105	2912236	9.548	ppbv		99
74) 1,2,4-Trimethylbenzene	16.101	105	3126773	9.146	ppbv		99
75) 1,3-Dichlorobenzene	16.323	146	1874039	9.187	ppbv		99
76) 1,4-Dichlorobenzene	16.465	146	1802596	8.834	ppbv		99
77) 1,2-Dichlorobenzene	17.133	146	1863252	9.367	ppbv		99
78) Hexachloro-1,3-Butadiene	22.622	225	1377081	9.060	ppbv		99
79) Naphthalene	21.368	128	2586325	11.463	ppbv		98
80) Naphthalene,2-methyl-	24.368	142	553172	6.521	ppbv		98
81) 1,2,4-Trichlorobenzene	21.124	180	1479357	9.983	ppbv		99

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

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