Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
Data File : VL039699.D
Acq On : 10 Oct 2022 16:55
Operator : SY/AP
Sample : VL1010ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1010ABS01

Quant Time: Oct 11 07:18:16 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	5.195	49	1049433	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.651	114	2782873	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2888407m	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2023659	9.385	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	1063808	8.744	ppbv	99
3) Chlorodifluoromethane	2.690	51	1171101	9.404	ppbv	97
4) Chloromethane	2.828	50	725499	9.654	ppbv	96
5) Vinyl Chloride	2.935	62	630001	10.057	ppbv	96
6) Bromomethane	3.134	94	226380	9.799	ppbv	92
7) Chloroethane	3.214	64	230993	10.083	ppbv	100
8) Dichlorotetrafluoroethane	2.873	85	1448801	9.928	ppbv	92
9) Propene	2.709	41	548570	9.645	ppbv	98
10) Heptane	7.574	43	1367136	10.300	ppbv	100
11) Trichlorofluoromethane	3.574	101	1446375	9.600	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1082011	9.508	ppbv	100
13) Ethanol	3.256	45	31270	7.215	ppbv	91
14) Bromoethene	3.381	108	449125	9.886	ppbv	98
15) Acetone	3.481	43	1110280	9.508	ppbv	100
16) 1,3-Butadiene	2.999	39	607388	10.253	ppbv	99
17) tert-Butyl alcohol	3.886	59	912022	8.703	ppbv	99
18) 1,1-Dichloroethene	3.889	96	507339	10.132	ppbv	98
19) Isopropyl Alcohol	3.587	45	502428	8.441	ppbv #	97
20) Methylene Chloride	3.944	84	413991	7.668	ppbv	95
21) Allyl Chloride	4.008	41	787635	9.905	ppbv	98
22) trans-1,2-Dichloroethene	4.455	96	497995	10.054	ppbv	98
23) Vinyl Acetate	4.635	43	471586	8.933	ppbv	97
24) 1,1-Dichloroethane	4.571	63	1041504	9.907	ppbv	98
25) Ethyl Acetate	5.211	43	2426103	9.528	ppbv	99
26) Hexane	5.217	57	996762	9.224	ppbv	97
27) Carbon Disulfide	4.134	76	1238662	10.907	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	834067	9.187	ppbv	99
29) Chloroform	5.275	83	1504223	9.643	ppbv	96
30) Cyclohexane	6.600	84	851046	10.170	ppbv	97
31) cis-1,2-Dichloroethene	5.082	61	956295	9.785	ppbv	98
32) 1,1,1-Trichloroethane	6.002	97	1452238	10.283	ppbv	99
34) 2-Butanone	4.793	43	1243088	9.094	ppbv	96
35) Carbon Tetrachloride	6.491	117	1569767	10.626	ppbv	97
36) Benzene	6.372	78	2089033	9.819	ppbv	96
37) 1,2-Dichloroethane	5.809	62	1115120	9.630	ppbv	99
38) Trichloroethene	7.288	130	1204389	10.474	ppbv	99
39) 1,2-Dichloropropane	7.069	63	797314	9.705	ppbv	95
40) 1,4-Dioxane	7.282	88	302509	9.018	ppbv #	1
41) Tetrahydrofuran	5.561	42	818871	9.765	ppbv	97
42) Bromodichloromethane	7.246	83	1632106	10.133	ppbv	99
43) Methyl Methacrylate	7.471	69	805380	10.384	ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	3557149	9.700	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	742105	11.323	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1038727	11.133	ppbv		96
47) 1,1,2-Trichloroethane	8.892	97	861892	9.598	ppbv		98
48) Dibromochloromethane	9.700	129	1413956	10.456	ppbv		100
49) Bromoform	12.397	173	1151709	10.298	ppbv		98
50) 4-Methyl-2-Pentanone	8.175	43	2208523	10.282	ppbv		98
51) 2-Hexanone	9.545	43	1721408	10.827	ppbv	#	98
52) Tetrachloroethene	10.609	164	776925	9.572	ppbv		96
53) Toluene	9.217	91	2457985	10.387	ppbv		99
54) 1,2-Dibromoethane	10.002	107	988607	10.291	ppbv		96
56) 1,1,1,2-Tetrachloroethane	11.500	131	1033422	8.854	ppbv		98
57) Chlorobenzene	11.516	112	1833934	8.634	ppbv		98
58) Ethyl Benzene	12.079	91	3183181	9.558	ppbv		99
59) m/p-Xylene	12.362	91	5359493m	18.083	ppbv		
60) o-Xylene	13.050	91	2564562	9.061	ppbv		99
61) Styrene	12.886	104	1499225	9.836	ppbv		99
62) Isopropylbenzene	14.021	105	3714499	8.722	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.037	83	965572	8.553	ppbv		99
64) n-propylbenzene	14.908	120	968713	8.882	ppbv		97
65) tert-Butylbenzene	16.082	119	3228959	8.582	ppbv		99
66) Benzyl Chloride	16.320	91	246103	8.215	ppbv		99
67) sec-Butylbenzene	16.628	105	4542677	8.608	ppbv		98
69) p-Isopropyltoluene	16.989	119	3783458	8.724	ppbv		100
70) n-Butylbenzene	17.876	91	3783200	8.899	ppbv		99
71) 2-Chlorotoluene	14.793	91	2706322	8.801	ppbv		100
72) 4-Ethyltoluene	15.185	105	2995027	9.269	ppbv		100
73) 1,3,5-Trimethylbenzene	15.342	105	2674021	9.044	ppbv		97
74) 1,2,4-Trimethylbenzene	16.098	105	2852345	8.607	ppbv		97
75) 1,3-Dichlorobenzene	16.320	146	1698280	8.588	ppbv		99
76) 1,4-Dichlorobenzene	16.461	146	1684735	8.517	ppbv		98
77) 1,2-Dichlorobenzene	17.133	146	1662484	8.621	ppbv		99
78) Hexachloro-1,3-Butadiene	22.619	225	1323617	8.983	ppbv		100
79) Naphthalene	21.368	128	2802367	12.813	ppbv		100
80) Naphthalene,2-methyl-	24.368	142	790425	9.612	ppbv		96
81) 1,2,4-Trichlorobenzene	21.130	180	1574741	10.962	ppbv		100

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

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