Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
Data File : VL040751.D
Acq On : 4 Oct 2023 22:12
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 04:29:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.189	49	833290	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.645	114	2176301	10.000	ppbv		-0.02
55) Chlorobenzene-d5	11.452	117	2374335m	10.000	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.757	95	1702425	9.280	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.742	85	2099251	11.434	ppbv		98
3) Chlorodifluoromethane	2.687	51	1434798	10.569	ppbv		100
4) Chloromethane	2.825	50	532357	10.243	ppbv		99
5) Vinyl Chloride	2.931	62	630751	10.269	ppbv		94
6) Bromomethane	3.131	94	321029	10.833	ppbv		89
7) Chloroethane	3.205	64	224403	10.637	ppbv		96
8) Dichlorotetrafluoroethane	2.867	85	1619643	10.686	ppbv		99
9) Propene	2.706	41	385644	9.861	ppbv		100
10) Heptane	7.568	43	1008929	11.449	ppbv		99
11) Trichlorofluoromethane	3.568	101	1859832	11.523	ppbv		98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1329117	11.512	ppbv		97
13) Ethanol	3.247	45	98417	8.502	ppbv		93
14) Bromoethene	3.372	108	542189	11.196	ppbv		100
15) Acetone	3.475	43	1081724	9.842	ppbv		98
16) 1,3-Butadiene	2.996	39	552595	11.536	ppbv		99
17) tert-Butyl alcohol	3.880	59	1242049	11.032	ppbv		99
18) 1,1-Dichloroethene	3.883	96	599118	11.675	ppbv		95
19) Isopropyl Alcohol	3.578	45	719145	10.859	ppbv	#	95
20) Methylene Chloride	3.935	84	508394	8.594	ppbv		96
21) Allyl Chloride	3.999	41	769995	11.431	ppbv		98
22) trans-1,2-Dichloroethene	4.446	96	601283	11.850	ppbv		96
23) Vinyl Acetate	4.626	43	1376564	12.110	ppbv		99
24) 1,1-Dichloroethane	4.562	63	1199600	11.277	ppbv		100
25) Ethyl Acetate	5.201	43	1884526	10.631	ppbv		100
26) Hexane	5.211	57	824499	9.836	ppbv		99
27) Carbon Disulfide	4.128	76	1463263	12.518	ppbv		99
28) Methyl tert-Butyl Ether	4.587	73	827935	11.480	ppbv		100
29) Chloroform	5.272	83	1549396	10.706	ppbv		100
30) Cyclohexane	6.594	84	706053	11.185	ppbv		99
31) cis-1,2-Dichloroethene	5.079	61	862306	11.088	ppbv		99
32) 1,1,1-Trichloroethane	5.999	97	1622874	10.968	ppbv		100
34) 2-Butanone	4.783	43	1138721	10.404	ppbv		99
35) Carbon Tetrachloride	6.484	117	1749311	11.706	ppbv		98
36) Benzene	6.362	78	1730552	10.738	ppbv		98
37) 1,2-Dichloroethane	5.803	62	1213905	11.006	ppbv		99
38) Trichloroethene	7.282	130	745856	12.136	ppbv		96
39) 1,2-Dichloropropane	7.066	63	654201	10.546	ppbv		97
40) 1,4-Dioxane	7.275	88	278255	11.865	ppbv	#	96
41) Tetrahydrofuran	5.552	42	611560	10.897	ppbv		100
42) Bromodichloromethane	7.240	83	1723149	11.450	ppbv		98
43) Methyl Methacrylate	7.468	69	726423m	12.127	ppbv		
44) 2,2,4-Trimethylpentane	7.317	57	2888273	11.256	ppbv		99
45) t-1,3-Dichloropropene	8.700	75	618651	13.319	ppbv		98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	8.134	75	707902	12.456	ppbv	95
47)	1,1,2-Trichloroethane	8.886	97	786764	11.052	ppbv	98
48)	Dibromochloromethane	9.696	129	1469151	12.510	ppbv	100
49)	Bromoform	12.394	173	1250596	12.967	ppbv	99
50)	4-Methyl-2-Pentanone	8.169	43	1776258	12.010	ppbv	99
51)	2-Hexanone	9.536	43	1309302	12.826	ppbv	100
52)	Tetrachloroethene	10.603	164	655400	12.467	ppbv	99
53)	Toluene	9.208	91	2087776	12.271	ppbv	100
54)	1,2-Dibromoethane	9.995	107	1150077	12.657	ppbv	96
56)	1,1,1,2-Tetrachloroethane	11.494	131	1105896	9.771	ppbv	95
57)	Chlorobenzene	11.510	112	1729106	9.617	ppbv	97
58)	Ethyl Benzene	12.073	91	2961629	10.941	ppbv	99
59)	m/p-Xylene	12.359	91	5363285m	21.100	ppbv	
60)	o-Xylene	13.040	91	2591762	10.691	ppbv	100
61)	Styrene	12.883	104	1231716	12.124	ppbv	100
62)	Isopropylbenzene	14.008	105	3780465	10.329	ppbv	100
63)	1,1,2,2-Tetrachloroethane	13.031	83	1874209	9.865	ppbv	99
64)	n-propylbenzene	14.899	120	972068	10.622	ppbv	98
65)	tert-Butylbenzene	16.072	119	3449888	10.502	ppbv	100
66)	Benzyl Chloride	16.310	91	450943	11.762	ppbv	100
67)	sec-Butylbenzene	16.619	105	4844322	10.301	ppbv	100
69)	p-Isopropyltoluene	16.976	119	3951187	10.690	ppbv	99
70)	n-Butylbenzene	17.867	91	4319354	10.618	ppbv	100
71)	2-Chlorotoluene	14.783	91	2916743	10.771	ppbv	99
72)	4-Ethyltoluene	15.175	105	3007032	11.062	ppbv	98
73)	1,3,5-Trimethylbenzene	15.333	105	2631528	10.751	ppbv	99
74)	1,2,4-Trimethylbenzene	16.088	105	3068653	10.284	ppbv	96
75)	1,3-Dichlorobenzene	16.314	146	1746983	10.275	ppbv	100
76)	1,4-Dichlorobenzene	16.455	146	1694352	10.128	ppbv	99
77)	1,2-Dichlorobenzene	17.124	146	1664052	9.827	ppbv	99
78)	Hexachloro-1,3-Butadiene	22.606	225	1251719	9.769	ppbv	99
79)	Naphthalene	21.358	128	2665413	14.354	ppbv	98
80)	Naphthalene,2-methyl-	24.358	142	673682	14.813	ppbv	98
81)	1,2,4-Trichlorobenzene	21.120	180	1375853	11.343	ppbv	100

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

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