Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
Data File : VL040281.D
Acq On : 15 Mar 2023 12:53
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 14:01:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Mar 14 04:52:39 2023
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.192	49	1113476	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2896214	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2656217	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2207866	10.108	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	247871	1.194	ppbv	98
3) Chlorodifluoromethane	2.668	51	151946	1.142	ppbv	97
4) Chloromethane	2.809	50	94243	1.128	ppbv	96
5) Vinyl Chloride	2.915	62	74689	1.112	ppbv	96
6) Bromomethane	3.118	94	25236	1.041	ppbv	100
7) Chloroethane	3.195	64	28141	1.057	ppbv	97
8) Dichlorotetrafluoroethane	2.851	85	199598	1.116	ppbv	99
9) Propene	2.687	41	58486	1.079	ppbv	99
10) Heptane	7.581	43	127914	0.991	ppbv	98
11) Trichlorofluoromethane	3.562	101	205816	1.105	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	156386	1.138	ppbv	99
13) Ethanol	3.253	45	4494	0.900	ppbv #	46
14) Bromoethene	3.365	108	54959	1.043	ppbv	92
15) Acetone	3.475	43	144113	1.075	ppbv	95
16) 1,3-Butadiene	2.980	39	60590	0.990	ppbv	85
17) tert-Butyl alcohol	3.886	59	141496	1.157	ppbv	96
18) 1,1-Dichloroethene	3.880	96	68279	1.144	ppbv	93
19) Isopropyl Alcohol	3.584	45	72603m	1.139	ppbv	
20) Methylene Chloride	3.931	84	58928	0.844	ppbv	95
21) Allyl Chloride	3.996	41	89040	1.083	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	67911	1.099	ppbv	88
23) Vinyl Acetate	4.636	43	37859m	0.931	ppbv	
24) 1,1-Dichloroethane	4.562	63	139835	1.100	ppbv	97
25) Ethyl Acetate	5.211	43	267496	1.073	ppbv	97
26) Hexane	5.217	57	108445	1.014	ppbv	92
27) Carbon Disulfide	4.124	76	141278	1.041	ppbv	95
28) Methyl tert-Butyl Ether	4.590	73	122800	1.071	ppbv	99
29) Chloroform	5.272	83	197857	1.077	ppbv	93
30) Cyclohexane	6.603	84	79014m	0.941	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	98463	0.969	ppbv	94
32) 1,1,1-Trichloroethane	6.005	97	190995	1.107	ppbv	99
34) 2-Butanone	4.796	43	146303	1.024	ppbv	96
35) Carbon Tetrachloride	6.494	117	192211	1.123	ppbv	93
36) Benzene	6.375	78	227226	1.008	ppbv	99
37) 1,2-Dichloroethane	5.809	62	147616	1.047	ppbv	100
38) Trichloroethene	7.298	130	126161	1.016	ppbv	94
39) 1,2-Dichloropropane	7.079	63	87086	0.993	ppbv	93
40) 1,4-Dioxane	7.314	88	34946m	0.996	ppbv	
41) Tetrahydrofuran	5.574	42	84349m	1.019	ppbv	
42) Bromodichloromethane	7.253	83	195978	1.007	ppbv	97
43) Methyl Methacrylate	7.481	69	79016	0.947	ppbv	94
44) 2,2,4-Trimethylpentane	7.333	57	381337	1.014	ppbv	97
45) t-1,3-Dichloropropene	8.716	75	58873	0.796	ppbv	95

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46)	cis-1,3-Dichloropropene	8.150	75	95646	0.928	ppbv		99
47)	1,1,2-Trichloroethane	8.905	97	94667	0.998	ppbv		97
48)	Dibromochloromethane	9.716	129	146548	0.966	ppbv		99
49)	Bromoform	12.417	173	104797	0.885	ppbv		99
50)	4-Methyl-2-Pentanone	8.198	43	223480	1.007	ppbv		98
51)	2-Hexanone	9.574	43	171111m	1.003	ppbv		
52)	Tetrachloroethene	10.619	164	72430m	1.029	ppbv		
53)	Toluene	9.230	91	224529	0.930	ppbv		99
54)	1,2-Dibromoethane	10.015	107	97848	0.992	ppbv		100
56)	1,1,1,2-Tetrachloroethane	11.516	131	117358	1.053	ppbv	#	1
57)	Chlorobenzene	11.536	112	202885	1.045	ppbv	#	92
58)	Ethyl Benzene	12.098	91	307602	0.953	ppbv		97
59)	m/p-Xylene	12.381	91	576237m	2.016	ppbv		
60)	o-Xylene	13.066	91	272696	0.991	ppbv		99
61)	Styrene	12.908	104	125395	0.868	ppbv		97
62)	Isopropylbenzene	14.043	105	397051	1.006	ppbv		98
63)	1,1,2,2-Tetrachloroethane	13.056	83	105104	1.060	ppbv		98
64)	n-propylbenzene	14.924	120	94377	0.966	ppbv		76
65)	tert-Butylbenzene	16.101	119	341216	0.994	ppbv		93
66)	Benzyl Chloride	16.342	91	20895m	0.915	ppbv		
67)	sec-Butylbenzene	16.648	105	497211	1.010	ppbv		97
69)	p-Isopropyltoluene	17.008	119	380687	0.976	ppbv		96
70)	n-Butylbenzene	17.899	91	417292	0.985	ppbv		99
71)	2-Chlorotoluene	14.815	91	299583	0.992	ppbv		96
72)	4-Ethyltoluene	15.204	105	294486	0.969	ppbv		98
73)	1,3,5-Trimethylbenzene	15.362	105	264387	0.934	ppbv		91
74)	1,2,4-Trimethylbenzene	16.121	105	314596	1.012	ppbv		97
75)	1,3-Dichlorobenzene	16.339	146	169822m	0.999	ppbv		
76)	1,4-Dichlorobenzene	16.487	146	155918	0.936	ppbv		95
77)	1,2-Dichlorobenzene	17.156	146	165191	0.978	ppbv		98
78)	Hexachloro-1,3-Butadiene	22.648	225	127301m	1.097	ppbv		
79)	Naphthalene	21.407	128	179674m	1.029	ppbv		
80)	Naphthalene,2-methyl-	24.384	142	27333m	0.551	ppbv		
81)	1,2,4-Trichlorobenzene	21.162	180	103245m	0.945	ppbv		

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

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