Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
Data File : VL040461.D
Acq On : 5 Jun 2023 18:08
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 06:00:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jun 06 05:55:55 2023
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.192	49	1060477	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2629444	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2606912	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2172491	10.097	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	3127083	13.549	ppbv	97
3) Chlorodifluoromethane	2.665	51	2292739	13.200	ppbv	100
4) Chloromethane	2.803	50	895416	13.318	ppbv	99
5) Vinyl Chloride	2.909	62	983107	14.280	ppbv	100
6) Bromomethane	3.108	94	493201	14.050	ppbv	96
7) Chloroethane	3.189	64	357876	14.203	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	2447250	13.426	ppbv	99
9) Propene	2.684	41	725739	13.550	ppbv	99
10) Heptane	7.584	43	1881141	15.517	ppbv	100
11) Trichlorofluoromethane	3.555	101	2500272	13.303	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1853621	14.119	ppbv	99
13) Ethanol	3.227	45	161076	15.462	ppbv	100
14) Bromoethene	3.356	108	793107	14.443	ppbv	97
15) Acetone	3.459	43	1636171	12.792	ppbv	99
16) 1,3-Butadiene	2.973	39	903458	14.400	ppbv	98
17) tert-Butyl alcohol	3.870	59	1363266	12.757	ppbv	99
18) 1,1-Dichloroethene	3.873	96	847926	14.495	ppbv	97
19) Isopropyl Alcohol	3.565	45	820760	13.313	ppbv	98
20) Methylene Chloride	3.925	84	700440	12.644	ppbv	98
21) Allyl Chloride	3.989	41	1046710	14.488	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	875792	14.592	ppbv	98
23) Vinyl Acetate	4.623	43	1870740	15.042	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1754878	14.003	ppbv	99
25) Ethyl Acetate	5.201	43	3216809	13.879	ppbv	100
26) Hexane	5.211	57	1484602	13.527	ppbv	98
27) Carbon Disulfide	4.118	76	2157340	15.717	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	1217269	14.141	ppbv	100
29) Chloroform	5.275	83	2582865	13.816	ppbv	96
30) Cyclohexane	6.606	84	1236992	15.147	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1545517	14.719	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	2635795	14.160	ppbv	99
34) 2-Butanone	4.783	43	1868571	14.737	ppbv	99
35) Carbon Tetrachloride	6.494	117	2741013	15.160	ppbv	95
36) Benzene	6.372	78	3066740	14.659	ppbv	99
37) 1,2-Dichloroethane	5.809	62	2023980	14.854	ppbv	99
38) Trichloroethene	7.295	130	1300266	16.175	ppbv	99
39) 1,2-Dichloropropane	7.076	63	1194305	14.630	ppbv	97
40) 1,4-Dioxane	7.291	88	319160	14.286	ppbv #	100
41) Tetrahydrofuran	5.555	42	1059591	15.390	ppbv	99
42) Bromodichloromethane	7.256	83	2826219	15.062	ppbv	100
43) Methyl Methacrylate	7.481	69	1257638	16.738	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	5063793	14.828	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	1047405	18.830	ppbv	100

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	8.150	75	1187076	17.680	ppbv	98
47)	1,1,2-Trichloroethane	8.905	97	1331693	15.042	ppbv	98
48)	Dibromochloromethane	9.719	129	2303743	16.261	ppbv	99
49)	Bromoform	12.420	173	1798183	16.830	ppbv	100
50)	4-Methyl-2-Pentanone	8.185	43	2720145	16.103	ppbv	100
51)	2-Hexanone	9.558	43	1969919	16.831	ppbv	99
52)	Tetrachloroethene	10.622	164	1117415	17.016	ppbv	96
53)	Toluene	9.230	91	3620968	16.437	ppbv	100
54)	1,2-Dibromoethane	10.018	107	1966842	16.893	ppbv	99
56)	1,1,1,2-Tetrachloroethane	11.523	131	1736478	14.171	ppbv	97
57)	Chlorobenzene	11.536	112	2827424	14.349	ppbv	98
58)	Ethyl Benzene	12.098	91	5001690	15.849	ppbv	98
59)	m/p-Xylene	12.384	91	8732962m	30.173	ppbv	
60)	o-Xylene	13.069	91	4224800	15.344	ppbv	99
61)	Styrene	12.909	104	2159054	18.224	ppbv	99
62)	Isopropylbenzene	14.044	105	6074111	14.841	ppbv	100
63)	1,1,2,2-Tetrachloroethane	13.060	83	2617894	14.488	ppbv	99
64)	n-propylbenzene	14.928	120	1605471	16.748	ppbv	95
65)	tert-Butylbenzene	16.105	119	5283098	14.926	ppbv	98
66)	Benzyl Chloride	16.339	91	461909	17.586	ppbv	100
67)	sec-Butylbenzene	16.648	105	7545671	14.737	ppbv	99
69)	p-Isopropyltoluene	17.008	119	6215184	15.281	ppbv	100
70)	n-Butylbenzene	17.899	91	6821965	15.017	ppbv	98
71)	2-Chlorotoluene	14.815	91	4753192	15.640	ppbv	100
72)	4-Ethyltoluene	15.204	105	4968481	16.022	ppbv	99
73)	1,3,5-Trimethylbenzene	15.362	105	4308843	15.720	ppbv	100
74)	1,2,4-Trimethylbenzene	16.124	105	4793368	14.865	ppbv	96
75)	1,3-Dichlorobenzene	16.342	146	2715195	15.045	ppbv	99
76)	1,4-Dichlorobenzene	16.484	146	2699984	15.107	ppbv	99
77)	1,2-Dichlorobenzene	17.153	146	2526441	14.602	ppbv	100
78)	Hexachloro-1,3-Butadiene	22.648	225	1867347	14.121	ppbv	100
79)	Naphthalene	21.400	128	3686741	19.935	ppbv	99
80)	Naphthalene,2-methyl-	24.381	142	1243787	23.915	ppbv	97
81)	1,2,4-Trichlorobenzene	21.153	180	2108927	16.450	ppbv	100

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

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