Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
Data File : VL041298.D
Acq On : 4 Jun 2024 9:11
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 11:29:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 24 23:11:50 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.205	49	1023215	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2669645	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2568407m	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1978642	10.204	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	1473180	10.644	ppbv	98
3) Chlorodifluoromethane	2.703	51	1456695	9.374	ppbv	98
4) Chloromethane	2.838	50	554948	9.101	ppbv	94
5) Vinyl Chloride	2.944	62	570339	9.310	ppbv	98
6) Bromomethane	3.144	94	196997	8.814	ppbv	89
7) Chloroethane	3.218	64	198033	9.156	ppbv	94
8) Dichlorotetrafluoroethane	2.883	85	1373725	9.589	ppbv	100
9) Propene	2.722	41	516622	8.495	ppbv	100
10) Heptane	7.581	43	1292998	8.775	ppbv	100
11) Trichlorofluoromethane	3.584	101	1382785	9.830	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.082	101	992255	9.539	ppbv	97
13) Ethanol	3.263	45	126601	9.286	ppbv	97
14) Bromoethene	3.388	108	413913	9.642	ppbv	97
15) Acetone	3.488	43	1039645	8.609	ppbv	98
16) 1,3-Butadiene	3.009	39	580608	9.525	ppbv	98
17) tert-Butyl alcohol	3.893	59	1072137	8.230	ppbv	98
18) 1,1-Dichloroethene	3.896	96	439214	9.470	ppbv	95
19) Isopropyl Alcohol	3.594	45	764874	9.653	ppbv #	44
20) Methylene Chloride	3.951	84	357513	8.514	ppbv	95
21) Allyl Chloride	4.012	41	706520	8.973	ppbv	97
22) trans-1,2-Dichloroethene	4.455	96	455220	9.438	ppbv	97
23) Vinyl Acetate	4.639	43	1227126	9.228	ppbv	99
24) 1,1-Dichloroethane	4.578	63	982654	9.504	ppbv	99
25) Ethyl Acetate	5.214	43	2140766	8.882	ppbv	99
26) Hexane	5.221	57	930822	8.654	ppbv	99
27) Carbon Disulfide	4.140	76	1158452	9.098	ppbv	97
28) Methyl tert-Butyl Ether	4.597	73	720670	8.414	ppbv	99
29) Chloroform	5.285	83	1465284	9.875	ppbv	97
30) Cyclohexane	6.610	84	785466	9.225	ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	944077	9.375	ppbv	95
32) 1,1,1-Trichloroethane	6.012	97	1443296	9.748	ppbv	98
34) 2-Butanone	4.796	43	1247580	9.182	ppbv	100
35) Carbon Tetrachloride	6.500	117	1496089	9.986	ppbv	99
36) Benzene	6.378	78	1980600	8.841	ppbv	99
37) 1,2-Dichloroethane	5.816	62	1159815	9.922	ppbv	99
38) Trichloroethene	7.295	130	752906	9.018	ppbv	99
39) 1,2-Dichloropropane	7.079	63	766472	8.877	ppbv	97
40) 1,4-Dioxane	7.295	88	285688	9.262	ppbv	100
41) Tetrahydrofuran	5.565	42	814407	8.279	ppbv	98
42) Bromodichloromethane	7.256	83	1685711	10.055	ppbv	100
43) Methyl Methacrylate	7.478	69	810686	8.947	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3339096	8.644	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	598199	9.110	ppbv	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.143	75	709965	8.832	ppbv		99
47)	1,1,2-Trichloroethane	8.899	97	825142	9.548	ppbv		96
48)	Dibromochloromethane	9.709	129	1404173	10.198	ppbv		100
49)	Bromoform	12.404	173	1158551	9.891	ppbv		99
50)	4-Methyl-2-Pentanone	8.179	43	2102376	8.622	ppbv		100
51)	2-Hexanone	9.549	43	1551244	8.576	ppbv	#	98
52)	Tetrachloroethene	10.613	164	707765	8.988	ppbv		97
53)	Toluene	9.221	91	2322300	8.940	ppbv		98
54)	1,2-Dibromoethane	10.008	107	1126770	9.626	ppbv		100
56)	1,1,1,2-Tetrachloroethane	11.507	131	1026568	9.857	ppbv		99
57)	Chlorobenzene	11.526	112	1746611	9.286	ppbv		96
58)	Ethyl Benzene	12.082	91	3126554	8.878	ppbv		97
59)	m/p-Xylene	12.365	91	5307476m	17.931	ppbv		
60)	o-Xylene	13.053	91	2493688	8.988	ppbv		99
61)	Styrene	12.892	104	1348748	9.202	ppbv		99
62)	Isopropylbenzene	14.021	105	3738569	9.008	ppbv		99
63)	1,1,2,2-Tetrachloroethane	13.044	83	1786757	9.448	ppbv		100
64)	n-propylbenzene	14.908	120	995001	9.610	ppbv		95
65)	tert-Butylbenzene	16.082	119	3310807	8.907	ppbv		99
66)	Benzyl Chloride	16.323	91	270848m	6.437	ppbv		
67)	sec-Butylbenzene	16.629	105	4696700	8.976	ppbv		99
69)	p-Isopropyltoluene	16.989	119	3901704	9.048	ppbv		100
70)	n-Butylbenzene	17.876	91	4087151	9.076	ppbv		99
71)	2-Chlorotoluene	14.796	91	2905543	9.195	ppbv		99
72)	4-Ethyltoluene	15.188	105	3019826	9.609	ppbv		98
73)	1,3,5-Trimethylbenzene	15.342	105	2612307	9.187	ppbv		98
74)	1,2,4-Trimethylbenzene	16.105	105	2859255	9.207	ppbv		92
75)	1,3-Dichlorobenzene	16.323	146	1722261	9.672	ppbv		99
76)	1,4-Dichlorobenzene	16.465	146	1671398	9.760	ppbv		99
77)	1,2-Dichlorobenzene	17.137	146	1666911	9.365	ppbv		99
78)	Hexachloro-1,3-Butadiene	22.625	225	1207700	7.634	ppbv		99
79)	Naphthalene	21.371	128	3074007	10.395	ppbv		99
80)	Naphthalene,2-methyl-	24.365	142	1054655	8.865	ppbv		99
81)	1,2,4-Trichlorobenzene	21.130	180	1450918m	9.292	ppbv		

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

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