Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041527.D
Acq On : 12 Aug 2024 8:46
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 02:09:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Aug 13 02:09:20 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/13/2024
Supervised By :Mahesh Dadoda 08/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.188	49	948929	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2600579	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2578319m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1870101	9.425	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	997402	6.110	ppbv	99
3) Chlorodifluoromethane	2.674	51	1138655	10.080	ppbv	99
4) Chloromethane	2.812	50	619455	10.310	ppbv	96
5) Vinyl Chloride	2.922	62	621840	10.500	ppbv	99
6) Bromomethane	3.121	94	324573	10.663	ppbv	99
7) Chloroethane	3.198	64	211114	10.329	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1418259	9.805	ppbv	98
9) Propene	2.693	41	519155	10.004	ppbv	100
10) Heptane	7.577	43	1304292	11.186	ppbv	99
11) Trichlorofluoromethane	3.562	101	1461566	10.081	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.066	101	1066072	10.212	ppbv	99
13) Ethanol	3.243	45	39522m	8.521	ppbv	
14) Bromoethene	3.365	108	425269	10.449	ppbv	97
15) Acetone	3.468	43	1110391	10.299	ppbv	100
16) 1,3-Butadiene	2.986	39	610988	10.607	ppbv	99
17) tert-Butyl alcohol	3.877	59	1169878	11.897	ppbv	99
18) 1,1-Dichloroethene	3.880	96	469860	10.521	ppbv	98
19) Isopropyl Alcohol	3.574	45	691176	10.965	ppbv	99
20) Methylene Chloride	3.931	84	392216	9.755	ppbv	98
21) Allyl Chloride	3.996	41	772532	10.926	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	500475	11.208	ppbv	99
23) Vinyl Acetate	4.626	43	987621	11.994	ppbv	99
24) 1,1-Dichloroethane	4.561	63	1050452	10.834	ppbv	99
25) Ethyl Acetate	5.201	43	2334339	10.898	ppbv	100
26) Hexane	5.211	57	965613	10.867	ppbv	99
27) Carbon Disulfide	4.124	76	1148948	11.053	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	620342	11.071	ppbv	99
29) Chloroform	5.272	83	1516034	10.460	ppbv	97
30) Cyclohexane	6.600	84	825630	11.410	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	946511	10.783	ppbv	98
32) 1,1,1-Trichloroethane	6.002	97	1493406	10.586	ppbv	100
34) 2-Butanone	4.783	43	1378498	10.958	ppbv	100
35) Carbon Tetrachloride	6.494	117	1559323	10.871	ppbv	100
36) Benzene	6.368	78	2053064	10.804	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1149797	10.811	ppbv	100
38) Trichloroethene	7.291	130	948439	10.895	ppbv	99
39) 1,2-Dichloropropane	7.073	63	790468	10.865	ppbv	100
40) 1,4-Dioxane	7.288	88	315670	10.801	ppbv #	1
41) Tetrahydrofuran	5.555	42	838835	11.659	ppbv	98
42) Bromodichloromethane	7.249	83	1668411	10.864	ppbv	98
43) Methyl Methacrylate	7.475	69	808557	11.866	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	3460189	10.902	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	835718	13.325	ppbv	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.143	75	1117986	12.344	ppbv		96
47)	1,1,2-Trichloroethane	8.899	97	846976	10.562	ppbv		98
48)	Dibromochloromethane	9.709	129	1435054	11.108	ppbv		99
49)	Bromoform	12.407	173	1244113	11.401	ppbv		99
50)	4-Methyl-2-Pentanone	8.179	43	2281073	11.493	ppbv		99
51)	2-Hexanone	9.548	43	1863230	12.415	ppbv		99
52)	Tetrachloroethene	10.609	164	774992	10.555	ppbv		96
53)	Toluene	9.220	91	2400814	11.343	ppbv		100
54)	1,2-Dibromoethane	10.005	107	1243024	11.646	ppbv		99
56)	1,1,1,2-Tetrachloroethane	11.507	131	1053113	10.532	ppbv	#	55
57)	Chlorobenzene	11.523	112	1877092	10.225	ppbv		99
58)	Ethyl Benzene	12.085	91	3229692	10.868	ppbv		98
59)	m/p-Xylene	12.371	91	5506827m	21.466	ppbv		
60)	o-Xylene	13.056	91	2634952	10.858	ppbv		99
61)	Styrene	12.896	104	1285721	11.743	ppbv		99
62)	Isopropylbenzene	14.027	105	3824563	10.367	ppbv		100
63)	1,1,2,2-Tetrachloroethane	13.043	83	1605022	10.474	ppbv		99
64)	n-propylbenzene	14.912	120	1036299	10.744	ppbv		97
65)	tert-Butylbenzene	16.088	119	3458283	10.378	ppbv		100
66)	Benzyl Chloride	16.326	91	278383	13.025	ppbv		99
67)	sec-Butylbenzene	16.635	105	4833640	10.528	ppbv		99
69)	p-Isopropyltoluene	16.992	119	4069168	10.681	ppbv		100
70)	n-Butylbenzene	17.883	91	4208009	10.774	ppbv		100
71)	2-Chlorotoluene	14.799	91	2902468	10.668	ppbv		99
72)	4-Ethyltoluene	15.188	105	3172041	11.102	ppbv		99
73)	1,3,5-Trimethylbenzene	15.346	105	2711766	11.017	ppbv		97
74)	1,2,4-Trimethylbenzene	16.104	105	3037676	10.615	ppbv		97
75)	1,3-Dichlorobenzene	16.326	146	1883631	10.472	ppbv		99
76)	1,4-Dichlorobenzene	16.471	146	1835391	10.538	ppbv		100
77)	1,2-Dichlorobenzene	17.140	146	1832533	10.277	ppbv		100
78)	Hexachloro-1,3-Butadiene	22.631	225	1390607	9.145	ppbv		100
79)	Naphthalene	21.381	128	3085623	12.217	ppbv		99
80)	Naphthalene,2-methyl-	24.368	142	2619024	12.370	ppbv		99
81)	1,2,4-Trichlorobenzene	21.133	180	1625845	10.817	ppbv		100

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

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