Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041673.D
Acq On : 7 Nov 2024 9:36
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 00:08:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.182	49	1106203	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.642	114	3129770	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.462	117	2839070	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.774	95	2171666	10.343	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.716	85	125812	0.629	ppbv		93
3) Chlorodifluoromethane	2.665	51	79327	0.550	ppbv		98
4) Chloromethane	2.803	50	39589	0.519	ppbv		89
5) Vinyl Chloride	2.909	62	35876	0.519	ppbv		96
6) Bromomethane	3.108	94	19595	0.538	ppbv		90
7) Chloroethane	3.186	64	12979	0.518	ppbv		90
8) Dichlorotetrafluoroethane	2.845	85	102282	0.573	ppbv		98
9) Propene	2.681	41	29126	0.464	ppbv		100
10) Heptane	7.568	43	53812m	0.382	ppbv		
11) Trichlorofluoromethane	3.549	101	94015	0.540	ppbv		97
12) 1,1,2-Trichlorotrifluo...	4.057	101	66623	0.526	ppbv		94
13) Ethanol	3.243	45	2190m	0.561	ppbv		
14) Bromoethene	3.353	108	24149	0.475	ppbv	#	94
15) Acetone	3.472	43	69401	0.510	ppbv	#	84
16) 1,3-Butadiene	2.977	39	32713	0.479	ppbv		99
17) tert-Butyl alcohol	3.886	59	57790m	0.484	ppbv		
18) 1,1-Dichloroethene	3.867	96	27360	0.493	ppbv		95
19) Isopropyl Alcohol	3.581	45	28691m	0.435	ppbv		
20) Methylene Chloride	3.925	84	29973	0.598	ppbv		97
21) Allyl Chloride	3.986	41	39968	0.475	ppbv		91
22) trans-1,2-Dichloroethene	4.436	96	27650	0.499	ppbv		89
23) Vinyl Acetate	4.620	43	26909m	0.420	ppbv		
24) 1,1-Dichloroethane	4.552	63	66112	0.537	ppbv		99
25) Ethyl Acetate	5.202	43	128056	0.454	ppbv		99
26) Hexane	5.205	57	45903m	0.424	ppbv		
27) Carbon Disulfide	4.115	76	51344	0.422	ppbv	#	85
28) Methyl tert-Butyl Ether	4.587	73	31135	0.447	ppbv		95
29) Chloroform	5.266	83	94165	0.527	ppbv		92
30) Cyclohexane	6.597	84	45582m	0.524	ppbv		
31) cis-1,2-Dichloroethene	5.066	61	43581	0.418	ppbv		89
32) 1,1,1-Trichloroethane	5.992	97	86390	0.527	ppbv		98
34) 2-Butanone	4.793	43	72284	0.464	ppbv		100
35) Carbon Tetrachloride	6.481	117	84978	0.514	ppbv		92
36) Benzene	6.362	78	93476	0.403	ppbv		98
37) 1,2-Dichloroethane	5.796	62	61144	0.467	ppbv		99
38) Trichloroethene	7.285	130	39868m	0.446	ppbv		
39) 1,2-Dichloropropane	7.063	63	40977	0.447	ppbv		88
40) 1,4-Dioxane	7.330	88	10193m	0.314	ppbv		
41) Tetrahydrofuran	5.574	42	32441m	0.365	ppbv		
42) Bromodichloromethane	7.240	83	85816m	0.472	ppbv		
43) Methyl Methacrylate	7.475	69	25536m	0.314	ppbv		
44) 2,2,4-Trimethylpentane	7.317	57	158270m	0.403	ppbv		
45) t-1,3-Dichloropropene	8.706	75	23425m	0.322	ppbv		

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46) cis-1,3-Dichloropropene	8.137	75	37244m	0.352	ppbv		
47) 1,1,2-Trichloroethane	8.893	97	47322	0.479	ppbv		95
48) Dibromochloromethane	9.703	129	63686	0.422	ppbv		99
49) Bromoform	12.397	173	52765	0.410	ppbv		97
50) 4-Methyl-2-Pentanone	8.195	43	86918	0.363	ppbv		99
51) 2-Hexanone	9.574	43	59145m	0.340	ppbv		
52) Tetrachloroethene	10.610	164	35915	0.453	ppbv		92
53) Toluene	9.214	91	78290m	0.321	ppbv		
54) 1,2-Dibromoethane	10.002	107	55464m	0.481	ppbv		
56) 1,1,1,2-Tetrachloroethane	11.500	131	62892	0.532	ppbv	#	1
57) Chlorobenzene	11.520	112	105740	0.500	ppbv		94
58) Ethyl Benzene	12.085	91	107368	0.341	ppbv		97
59) m/p-Xylene	12.368	91	215445m	0.766	ppbv		
60) o-Xylene	13.050	91	99239m	0.369	ppbv		
61) Styrene	12.893	104	32039m	0.289	ppbv		
62) Isopropylbenzene	14.024	105	177013	0.427	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.044	83	102900	0.526	ppbv		99
64) n-propylbenzene	14.912	120	42096	0.388	ppbv		77
65) tert-Butylbenzene	16.085	119	153820m	0.413	ppbv		
66) Benzyl Chloride	16.330	91	12743m	0.475	ppbv		
67) sec-Butylbenzene	16.632	105	219138m	0.417	ppbv		
69) p-Isopropyltoluene	16.998	119	162889m	0.383	ppbv		
70) n-Butylbenzene	17.892	91	174104m	0.400	ppbv		
71) 2-Chlorotoluene	14.796	91	116286	0.388	ppbv		98
72) 4-Ethyltoluene	15.195	105	112958m	0.362	ppbv		
73) 1,3,5-Trimethylbenzene	15.352	105	103385m	0.378	ppbv		
74) 1,2,4-Trimethylbenzene	16.101	105	138056m	0.434	ppbv		
75) 1,3-Dichlorobenzene	16.330	146	89636m	0.456	ppbv		
76) 1,4-Dichlorobenzene	16.471	146	89481m	0.463	ppbv		
77) 1,2-Dichlorobenzene	17.143	146	95149m	0.488	ppbv		
78) Hexachloro-1,3-Butadiene	22.632	225	84025m	0.544	ppbv		
79) Naphthalene	21.400	128	70899m	0.362	ppbv		
80) Naphthalene,2-methyl-	24.390	142	14004m	0.386	ppbv		
81) 1,2,4-Trichlorobenzene	21.153	180	47739m	0.392	ppbv		

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

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