Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041401.D
Acq On : 25 Jul 2024 15:19
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 26 02:43:04 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 : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.176	49	1198624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3342988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3161618	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2414921	10.191	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	241964	1.183	ppbv	95
3) Chlorodifluoromethane	2.652	51	151299	0.732	ppbv	98
4) Chloromethane	2.793	50	82099	1.039	ppbv	96
5) Vinyl Chloride	2.899	62	79527	0.932	ppbv	98
6) Bromomethane	3.099	94	41204	1.526	ppbv	92
7) Chloroethane	3.179	64	25119	0.891	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	197281	0.992	ppbv	99
9) Propene	2.674	41	70203	0.982	ppbv	97
10) Heptane	7.568	43	148675	0.885	ppbv	96
11) Trichlorofluoromethane	3.542	101	196294	0.986	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	138368	0.992	ppbv	99
13) Ethanol	3.240	45	7925m	0.500	ppbv	
14) Bromoethene	3.350	108	51557	0.921	ppbv #	85
15) Acetone	3.456	43	142863	0.902	ppbv	97
16) 1,3-Butadiene	2.967	39	78187	1.038	ppbv	96
17) tert-Butyl alcohol	3.867	59	131833	1.080	ppbv	100
18) 1,1-Dichloroethene	3.861	96	57445	0.937	ppbv	99
19) Isopropyl Alcohol	3.568	45	80830	0.930	ppbv #	98
20) Methylene Chloride	3.912	84	51566	0.898	ppbv	96
21) Allyl Chloride	3.980	41	93864	0.983	ppbv	95
22) trans-1,2-Dichloroethene	4.433	96	57666	0.947	ppbv	91
23) Vinyl Acetate	4.613	43	104758	0.671	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	125314	0.926	ppbv	100
25) Ethyl Acetate	5.195	43	285442	0.979	ppbv	98
26) Hexane	5.198	57	113990	0.883	ppbv	88
27) Carbon Disulfide	4.112	76	122266	0.779	ppbv	97
28) Methyl tert-Butyl Ether	4.575	73	76370	0.798	ppbv	99
29) Chloroform	5.259	83	193219	0.970	ppbv	91
30) Cyclohexane	6.594	84	95243m	0.926	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	112360	0.908	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	181889	0.870	ppbv	99
34) 2-Butanone	4.777	43	163975	0.930	ppbv	97
35) Carbon Tetrachloride	6.481	117	186609	0.845	ppbv	99
36) Benzene	6.356	78	259942	0.940	ppbv	95
37) 1,2-Dichloroethane	5.793	62	138981	0.875	ppbv	100
38) Trichloroethene	7.279	130	116586m	0.967	ppbv	
39) 1,2-Dichloropropane	7.063	63	98425m	0.921	ppbv	
40) 1,4-Dioxane	7.298	88	36813m	1.074	ppbv	
41) Tetrahydrofuran	5.558	42	97249	0.890	ppbv	98
42) Bromodichloromethane	7.240	83	204988	0.923	ppbv	99
43) Methyl Methacrylate	7.472	69	84268	0.811	ppbv	88
44) 2,2,4-Trimethylpentane	7.317	57	432528	0.920	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	67675	1.029	ppbv	99

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46) cis-1,3-Dichloropropene	8.134	75	108779	1.230	ppbv		99
47) 1,1,2-Trichloroethane	8.889	97	104479	0.911	ppbv		97
48) Dibromochloromethane	9.703	129	168168	0.913	ppbv		97
49) Bromoform	12.404	173	133988	0.914	ppbv		99
50) 4-Methyl-2-Pentanone	8.182	43	258275	0.912	ppbv		96
51) 2-Hexanone	9.558	43	190138	0.944	ppbv	#	100
52) Tetrachloroethene	10.613	164	96753m	0.871	ppbv		
53) Toluene	9.211	91	284562	0.912	ppbv		98
54) 1,2-Dibromoethane	10.005	107	141838	0.999	ppbv		91
56) 1,1,1,2-Tetrachloroethane	11.504	131	126753	0.891	ppbv	#	1
57) Chlorobenzene	11.520	112	240871	0.971	ppbv		95
58) Ethyl Benzene	12.086	91	388676	0.919	ppbv		98
59) m/p-Xylene	12.368	91	673526m	1.840	ppbv		
60) o-Xylene	13.053	91	320813	0.929	ppbv		99
61) Styrene	12.896	104	133924	0.798	ppbv		99
62) Isopropylbenzene	14.024	105	490658	0.920	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.047	83	202749	0.745	ppbv		98
64) n-propylbenzene	14.915	120	124102	0.891	ppbv		83
65) tert-Butylbenzene	16.085	119	446299	0.940	ppbv		99
66) Benzyl Chloride	16.326	91	24142m	0.774	ppbv		
67) sec-Butylbenzene	16.632	105	613358	0.913	ppbv		99
69) p-Isopropyltoluene	16.992	119	511080	0.921	ppbv		100
70) n-Butylbenzene	17.886	91	512783	0.904	ppbv		98
71) 2-Chlorotoluene	14.796	91	358079	0.904	ppbv		100
72) 4-Ethyltoluene	15.188	105	361470	0.878	ppbv		97
73) 1,3,5-Trimethylbenzene	15.349	105	312184	0.886	ppbv		98
74) 1,2,4-Trimethylbenzene	16.101	105	379183	0.955	ppbv	#	91
75) 1,3-Dichlorobenzene	16.330	146	237337	1.008	ppbv		99
76) 1,4-Dichlorobenzene	16.468	146	224373	0.956	ppbv		98
77) 1,2-Dichlorobenzene	17.140	146	231111	0.963	ppbv		98
78) Hexachloro-1,3-Butadiene	22.632	225	215079	1.232	ppbv		99
79) Naphthalene	21.387	128	349592m	1.638	ppbv		
80) Naphthalene,2-methyl-	24.374	142	210840	375.304	ppbv		98
81) 1,2,4-Trichlorobenzene	21.143	180	191623	1.452	ppbv		98

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

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