Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
Data File : VL039597.D
Acq On : 26 Aug 2022 10:21
Operator : SY/AP
Sample : N3980-15 0.01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 00:03:22 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.208	49	990282	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.664	114	2596199	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.471	117	2282335	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.780	95	1647527	9.568	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.751	85	19321	0.147	ppbv		98
3) Chlorodifluoromethane	2.697	51	12966	0.110	ppbv		95
4) Chloromethane	2.838	50	7663	0.108	ppbv	#	80
5) Vinyl Chloride	2.948	62	6129m	0.107	ppbv		
6) Bromomethane	3.140	94	2662m	0.109	ppbv		
7) Chloroethane	3.227	64	3041m	0.142	ppbv		
8) Dichlorotetrafluoroethane	2.877	85	16170	0.115	ppbv		100
9) Propene	2.719	41	12805m	0.237	ppbv		
10) Heptane	7.584	43	9649m	0.077	ppbv		
11) Trichlorofluoromethane	3.584	101	16051m	0.111	ppbv		
12) 1,1,2-Trichlorotrifluo...	4.083	101	12269m	0.115	ppbv		
13) Ethanol	3.279	45	1094m	0.282	ppbv		
14) Bromoethene	3.394	108	3147	0.072	ppbv	#	1
15) Acetone	3.510	43	22961m	0.207	ppbv		
16) 1,3-Butadiene	3.009	39	7440m	0.129	ppbv		
17) tert-Butyl alcohol	3.925	59	13124m	0.139	ppbv		
18) 1,1-Dichloroethene	3.893	96	5385m	0.112	ppbv		
19) Isopropyl Alcohol	3.620	45	8667m	0.161	ppbv		
20) Methylene Chloride	3.957	84	14754	0.327	ppbv		85
21) Allyl Chloride	4.018	41	7028m	0.097	ppbv		
22) trans-1,2-Dichloroethene	4.465	96	5104m	0.107	ppbv		
23) Vinyl Acetate	4.668	43	9327m	0.177	ppbv		
24) 1,1-Dichloroethane	4.578	63	10215m	0.105	ppbv		
25) Ethyl Acetate	5.230	43	24899m	0.105	ppbv		
26) Hexane	5.224	57	12590m	0.130	ppbv		
27) Carbon Disulfide	4.144	76	7889m	0.076	ppbv		
28) Methyl tert-Butyl Ether	4.629	73	8827m	0.106	ppbv		
29) Chloroform	5.292	83	16260m	0.107	ppbv		
30) Cyclohexane	6.645	84	7001m	0.087	ppbv		
31) cis-1,2-Dichloroethene	5.089	61	8942m	0.095	ppbv		
32) 1,1,1-Trichloroethane	6.018	97	11466	0.086	ppbv	#	87
34) 2-Butanone	4.825	43	14172m	0.110	ppbv		
35) Carbon Tetrachloride	6.497	117	13275m	0.095	ppbv		
36) Benzene	6.382	78	17853m	0.090	ppbv		
37) 1,2-Dichloroethane	5.819	62	9565	0.088	ppbv	#	93
38) Trichloroethene	7.304	130	9967m	0.094	ppbv		
39) 1,2-Dichloropropane	7.082	63	8098m	0.109	ppbv		
40) 1,4-Dioxane	7.365	88	2833m	0.097	ppbv		
41) Tetrahydrofuran	5.600	42	5878m	0.076	ppbv		
42) Bromodichloromethane	7.256	83	11684	0.078	ppbv	#	96
43) Methyl Methacrylate	7.494	69	4663m	0.065	ppbv		
44) 2,2,4-Trimethylpentane	7.346	57	23108m	0.069	ppbv		
45) t-1,3-Dichloropropene	8.706	75	3044m	0.049	ppbv		

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	5315m	0.062	ppbv	
47) 1,1,2-Trichloroethane	8.906	97	8661m	0.102	ppbv	
48) Dibromochloromethane	9.719	129	9262m	0.074	ppbv	
49) Bromoform	12.410	173	6069m	0.058	ppbv	
50) 4-Methyl-2-Pentanone	8.230	43	13655m	0.068	ppbv	
51) 2-Hexanone	9.597	43	8534m	0.058	ppbv	
52) Tetrachloroethene	10.613	164	7670m	0.102	ppbv	
53) Toluene	9.230	91	12981m	0.059	ppbv	
54) 1,2-Dibromoethane	10.002	107	8030m	0.084	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	8954m	0.097	ppbv	
57) Chlorobenzene	11.526	112	17939m	0.105	ppbv	
58) Ethyl Benzene	12.092	91	17338m	0.066	ppbv	
59) m/p-Xylene	12.391	91	27782m	0.118	ppbv	
60) o-Xylene	13.073	91	12663m	0.056	ppbv	
61) Styrene	12.909	104	6646m	0.055	ppbv	
62) Isopropylbenzene	14.040	105	26005m	0.076	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.056	83	12514m	0.117	ppbv	
64) n-propylbenzene	14.921	120	5252m	0.059	ppbv	
65) tert-Butylbenzene	16.111	119	18934m	0.062	ppbv	
66) Benzyl Chloride	16.333	91	1231m	0.050	ppbv	
67) sec-Butylbenzene	16.645	105	29958m	0.070	ppbv	
69) p-Isopropyltoluene	16.998	119	21583m	0.060	ppbv	
70) n-Butylbenzene	17.905	91	22755m	0.064	ppbv	
71) 2-Chlorotoluene	14.806	91	17740m	0.072	ppbv	
72) 4-Ethyltoluene	15.208	105	14667m	0.056	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	14594m	0.060	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	16110m	0.060	ppbv	
75) 1,3-Dichlorobenzene	16.333	146	16214m	0.099	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	15705m	0.096	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	14398m	0.090	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	16099m	0.126	ppbv	
79) Naphthalene	21.400	128	12009m	0.063	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	9888m	0.077	ppbv	

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

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