Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122121\
Data File : VL038221.D
Acq On : 21 Dec 2021 19:39
Operator : SY/AP
Sample : VL1221ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 22 08:33:17 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01

Manual Integrations APPROVED
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	750515	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2231030	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2088462m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1645031	10.22	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	1205953	8.528	ppbv		98
3) Chlorodifluoromethane	3.00	51	1353920	8.585	ppbv		98
4) Chloromethane	3.15	50	481231	8.800	ppbv		99
5) Vinyl Chloride	3.27	62	482625	8.781	ppbv		97
6) Bromomethane	3.48	94	263221	9.398	ppbv		97
7) Chloroethane	3.57	64	168541	9.106	ppbv		90
8) Dichlorotetrafluoroethane	3.20	85	1158171	8.629	ppbv		98
9) Propene	3.02	41	454810	8.306	ppbv		98
10) Heptane	8.13	43	1180522	8.499	ppbv		100
11) Trichlorofluoromethane	3.96	101	1160908	8.938	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	867205	8.840	ppbv		99
13) Ethanol	3.62	45	51877	5.588	ppbv	#	100
14) Bromoethene	3.75	108	351472	8.993	ppbv		99
15) Acetone	3.86	43	600983	7.979	ppbv		96
16) 1,3-Butadiene	3.34	39	451513	8.799	ppbv		100
17) tert-Butyl alcohol	4.30	59	684770	8.277	ppbv		100
18) 1,1-Dichloroethene	4.30	96	380674	8.861	ppbv		96
19) Isopropyl Alcohol	3.98	45	368354	7.841	ppbv	#	39
20) Methylene Chloride	4.35	84	308146	7.246	ppbv		92
21) Allyl Chloride	4.42	41	564136	8.854	ppbv		98
22) trans-1,2-Dichloroethene	4.89	96	410593	9.367	ppbv		94
23) Vinyl Acetate	5.08	43	939476	9.212	ppbv		99
24) 1,1-Dichloroethane	5.02	63	790607	8.668	ppbv		99
25) Ethyl Acetate	5.69	43	1804874	8.844	ppbv		99
26) Hexane	5.69	57	836680	8.172	ppbv		98
27) Carbon Disulfide	4.56	76	899916	9.985	ppbv		100
28) Methyl tert-Butyl Ether	5.04	73	880286	8.556	ppbv		99
29) Chloroform	5.76	83	1342052	8.833	ppbv		99
30) Cyclohexane	7.14	84	771585	8.509	ppbv		98
31) cis-1,2-Dichloroethene	5.56	61	767081	9.553	ppbv		97
32) 1,1,1-Trichloroethane	6.52	97	1371776	9.100	ppbv		99
34) 2-Butanone	5.25	43	629342	9.385	ppbv		99
35) Carbon Tetrachloride	7.02	117	1403246	10.190	ppbv		99
36) Benzene	6.90	78	1880784	9.038	ppbv		99
37) 1,2-Dichloroethane	6.31	62	1028976	9.854	ppbv		99
38) Trichloroethene	7.84	130	674100	8.512	ppbv		96
39) 1,2-Dichloropropane	7.62	63	726830	9.075	ppbv		97
40) 1,4-Dioxane	7.84	88	179834	7.719	ppbv		94
41) Tetrahydrofuran	6.06	42	446796	9.097	ppbv		98
42) Bromodichloromethane	7.80	83	1483075	9.982	ppbv		98
43) Methyl Methacrylate	8.02	69	700626	9.783	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3040992	8.602	ppbv		99
45) t-1,3-Dichloropropene	9.28	75	603360	11.384	ppbv		98
46) cis-1,3-Dichloropropene	8.71	75	767629	10.463	ppbv		99
47) 1,1,2-Trichloroethane	9.48	97	743496	8.944	ppbv		98
48) Dibromochloromethane	10.31	129	1191380	10.192	ppbv		98
49) Bromoform	13.04	173	899266	10.827	ppbv		100
50) 4-Methyl-2-Pentanone	8.75	43	1211564	9.937	ppbv		98
51) 2-Hexanone	10.14	43	550361	9.431	ppbv	#	98
52) Tetrachloroethene	11.23	164	620088	8.072	ppbv		91
53) Toluene	9.81	91	2118287	8.822	ppbv		100
54) 1,2-Dibromoethane	10.61	107	1084765	9.199	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.13	131	789931	9.094	ppbv	#	58
57) Chlorobenzene	12.15	112	1497705	8.269	ppbv		96
58) Ethyl Benzene	12.71	91	2769016	8.544	ppbv		100
59) m/p-Xylene	13.00	91	4654319m	16.799	ppbv		
60) o-Xylene	13.69	91	2157490	8.399	ppbv		98
61) Styrene	13.53	104	1196486	9.195	ppbv		98
62) Isopropylbenzene	14.67	105	2994851	8.304	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1542899	7.811	ppbv		100
64) n-propylbenzene	15.56	120	776171	8.656	ppbv		99
65) tert-Butylbenzene	16.75	119	2568137	8.090	ppbv		98
66) Benzyl Chloride	16.99	91	125679	10.622	ppbv		95
67) sec-Butylbenzene	17.30	105	3593357	8.238	ppbv		100
69) p-Isopropyltoluene	17.65	119	2890269	8.239	ppbv		99
70) n-Butylbenzene	18.55	91	2840628	8.516	ppbv		99
71) 2-Chlorotoluene	15.46	91	2286727	8.519	ppbv		98
72) 4-Ethyltoluene	15.84	105	2608455	8.818	ppbv		99
73) 1,3,5-Trimethylbenzene	16.00	105	2285199	8.632	ppbv		98
74) 1,2,4-Trimethylbenzene	16.76	105	2334802	8.397	ppbv		94
75) 1,3-Dichlorobenzene	17.00	146	1311682	8.734	ppbv		99
76) 1,4-Dichlorobenzene	17.14	146	1271572	8.533	ppbv		100
77) 1,2-Dichlorobenzene	17.82	146	1212342	8.431	ppbv		100
78) Hexachloro-1,3-Butadiene	23.37	225	673672	7.592	ppbv		100
79) Naphthalene	22.19	128	1332189	9.275	ppbv		98
80) Naphthalene,2-methyl-	24.97	142	279288	9.800	ppbv		96
81) 1,2,4-Trichlorobenzene	21.93	180	687387	8.369	ppbv		98

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

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