Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081121\
Data File : VL037381.D
Acq On : 11 Aug 2021 6:20
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 11 08:57:57 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
QLast Update : Wed Aug 11 06:16:42 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1273320	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3912183	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3549279	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2802282	10.69	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	3511028	15.320	ppbv		100
3) Chlorodifluoromethane	2.99	51	3057070	12.478	ppbv		99
4) Chloromethane	3.14	50	1148331m	12.779	ppbv		
5) Vinyl Chloride	3.25	62	1176081	12.944	ppbv		98
6) Bromomethane	3.47	94	652654	13.241	ppbv		95
7) Chloroethane	3.56	64	411871	13.407	ppbv		95
8) Dichlorotetrafluoroethane	3.19	85	2696459	13.087	ppbv		100
9) Propene	3.01	41	1035719	12.404	ppbv		100
10) Heptane	8.12	43	2703365	13.988	ppbv		99
11) Trichlorofluoromethane	3.95	101	2622224	13.394	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1850517	13.469	ppbv		98
13) Ethanol	3.60	45	123077m	8.909	ppbv		
14) Bromoethene	3.74	108	874001m	13.620	ppbv		
15) Acetone	3.84	43	1445538	11.333	ppbv		96
16) 1,3-Butadiene	3.32	39	1137602	12.990	ppbv		97
17) tert-Butyl alcohol	4.29	59	1493439	13.481	ppbv		99
18) 1,1-Dichloroethene	4.29	96	860462	13.517	ppbv		96
19) Isopropyl Alcohol	3.96	45	918573	12.759	ppbv	#	33
20) Methylene Chloride	4.34	84	784541	11.326	ppbv		96
21) Allyl Chloride	4.41	41	1369963	14.253	ppbv		99
22) trans-1,2-Dichloroethene	4.88	96	806675	13.385	ppbv		94
23) Vinyl Acetate	5.07	43	2863331	14.608	ppbv		98
24) 1,1-Dichloroethane	5.01	63	2073710	13.428	ppbv		98
25) Ethyl Acetate	5.67	43	4282235	13.514	ppbv		100
26) Hexane	5.68	57	2053484	12.645	ppbv		96
27) Carbon Disulfide	4.55	76	2067408	15.864	ppbv		99
28) Methyl tert-Butyl Ether	5.03	73	2323303m	13.849	ppbv		
29) Chloroform	5.75	83	3017673	13.305	ppbv		100
30) Cyclohexane	7.12	84	1735735	12.970	ppbv		99
31) cis-1,2-Dichloroethene	5.54	61	1985731	14.001	ppbv		98
32) 1,1,1-Trichloroethane	6.51	97	2956323	13.422	ppbv		100
34) 2-Butanone	5.24	43	1892750	13.276	ppbv		98
35) Carbon Tetrachloride	7.02	117	3127636	14.230	ppbv		98
36) Benzene	6.88	78	4247864	13.388	ppbv		99
37) 1,2-Dichloroethane	6.30	62	2229964	13.822	ppbv		99
38) Trichloroethene	7.83	130	1674285	12.346	ppbv		96
39) 1,2-Dichloropropane	7.61	63	1631757	14.229	ppbv		98
40) 1,4-Dioxane	7.83	88	359839	11.314	ppbv	#	100
41) Tetrahydrofuran	6.05	42	984875	13.885	ppbv		98
42) Bromodichloromethane	7.79	83	3268261	14.618	ppbv		99
43) Methyl Methacrylate	8.01	69	1559857	14.302	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6865165	12.883	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	1411621	18.128	ppbv		96
46) cis-1,3-Dichloropropene	8.70	75	1751906	16.409	ppbv		99
47) 1,1,2-Trichloroethane	9.47	97	1750781	13.395	ppbv		97
48) Dibromochloromethane	10.30	129	2844627	15.241	ppbv		99
49) Bromoform	13.04	173	2445232	16.919	ppbv		97
50) 4-Methyl-2-Pentanone	8.74	43	2793331	14.238	ppbv		99
51) 2-Hexanone	10.13	43	1339794	15.716	ppbv	#	97
52) Tetrachloroethene	11.22	164	1579068	12.138	ppbv		98
53) Toluene	9.80	91	4999623	13.704	ppbv		100
54) 1,2-Dibromoethane	10.61	107	2570354	14.050	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1938826	13.930	ppbv	#	57
57) Chlorobenzene	12.14	112	3625012	12.856	ppbv		99
58) Ethyl Benzene	12.70	91	6478117	13.378	ppbv		98
59) m/p-Xylene	12.99	91	10795817m	25.712	ppbv		
60) o-Xylene	13.69	91	5064824	13.045	ppbv		98
61) Styrene	13.52	104	3040742	16.101	ppbv		97
62) Isopropylbenzene	14.66	105	7126678	13.027	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3568657	12.140	ppbv		99
64) n-propylbenzene	15.55	120	1918948	14.008	ppbv		86
65) tert-Butylbenzene	16.74	119	6128445	12.295	ppbv		100
66) Benzyl Chloride	16.98	91	366073	18.908	ppbv		98
67) sec-Butylbenzene	17.29	105	8581957	12.574	ppbv		98
69) p-Isopropyltoluene	17.64	119	7207689	13.186	ppbv		99
70) n-Butylbenzene	18.54	91	7081724	13.928	ppbv		99
71) 2-Chlorotoluene	15.45	91	5435579	13.743	ppbv		98
72) 4-Ethyltoluene	15.83	105	6268840	13.983	ppbv		99
73) 1,3,5-Trimethylbenzene	15.99	105	5618802	14.037	ppbv		98
74) 1,2,4-Trimethylbenzene	16.76	105	5626763	13.179	ppbv		99
75) 1,3-Dichlorobenzene	16.99	146	3492880	13.652	ppbv		99
76) 1,4-Dichlorobenzene	17.13	146	3433995	13.997	ppbv		99
77) 1,2-Dichlorobenzene	17.81	146	3329247	13.477	ppbv		99
78) Hexachloro-1,3-Butadiene	23.36	225	2413880	11.816	ppbv		99
79) Naphthalene	22.18	128	4363434	20.684	ppbv		99
80) Naphthalene,2-methyl-	24.96	142	1314582	41.175	ppbv		95
81) 1,2,4-Trichlorobenzene	21.91	180	2593850	17.280	ppbv		100

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

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