Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080421\
Data File : VL037320.D
Acq On : 4 Aug 2021 22:36
Operator : SY/AP
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL080421

Manual Integrations APPROVED
MMDadoda
8/5/2021 1:40:09 PM

Quant Time: Aug 05 03:56:54 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1208480	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3930150	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3355803m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2421835	10.57	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	1663652	6.780	ppbv		100
3) Chlorodifluoromethane	2.98	51	2089083	8.502	ppbv		99
4) Chloromethane	3.14	50	768628	8.735	ppbv		93
5) Vinyl Chloride	3.25	62	827663	8.986	ppbv		97
6) Bromomethane	3.47	94	508189	8.941	ppbv		99
7) Chloroethane	3.55	64	300711	9.189	ppbv		97
8) Dichlorotetrafluoroethane	3.18	85	2005671	8.544	ppbv		99
9) Propene	3.01	41	732999	8.250	ppbv		99
10) Heptane	8.11	43	1824731	8.794	ppbv		99
11) Trichlorofluoromethane	3.94	101	1976882	8.758	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1434638	8.741	ppbv		98
13) Ethanol	3.61	45	90759	6.782	ppbv		97
14) Bromoethene	3.73	108	672056	9.172	ppbv		99
15) Acetone	3.84	43	992596	7.561	ppbv		99
16) 1,3-Butadiene	3.32	39	735863	8.702	ppbv		99
17) tert-Butyl alcohol	4.29	59	1280968	9.716	ppbv		100
18) 1,1-Dichloroethene	4.29	96	675562	9.011	ppbv		96
19) Isopropyl Alcohol	3.96	45	698574	9.615	ppbv	#	97
20) Methylene Chloride	4.34	84	598818	5.510	ppbv		100
21) Allyl Chloride	4.41	41	941103	8.857	ppbv		93
22) trans-1,2-Dichloroethene	4.88	96	659417	9.655	ppbv		98
23) Vinyl Acetate	5.06	43	1926623	9.719	ppbv		99
24) 1,1-Dichloroethane	5.00	63	1503008	8.867	ppbv		100
25) Ethyl Acetate	5.67	43	2820186	8.261	ppbv		99
26) Hexane	5.68	57	1428077	7.476	ppbv		98
27) Carbon Disulfide	4.54	76	1564937	10.067	ppbv		99
28) Methyl tert-Butyl Ether	5.03	73	1739259	8.574	ppbv		100
29) Chloroform	5.75	83	2109897	8.722	ppbv		98
30) Cyclohexane	7.12	84	1257981	8.540	ppbv		99
31) cis-1,2-Dichloroethene	5.54	61	1354809	9.132	ppbv		98
32) 1,1,1-Trichloroethane	6.50	97	2100434	9.107	ppbv		100
34) 2-Butanone	5.24	43	1254226	9.197	ppbv		99
35) Carbon Tetrachloride	7.01	117	2232231	9.517	ppbv		99
36) Benzene	6.88	78	3001856	8.487	ppbv		100
37) 1,2-Dichloroethane	6.30	62	1479826	9.096	ppbv		99
38) Trichloroethene	7.83	130	1269481	8.201	ppbv		98
39) 1,2-Dichloropropane	7.60	63	1125924	8.549	ppbv		97
40) 1,4-Dioxane	7.83	88	289464	7.640	ppbv		87
41) Tetrahydrofuran	6.04	42	674146	8.889	ppbv		100
42) Bromodichloromethane	7.78	83	2259321	9.225	ppbv		95
43) Methyl Methacrylate	8.01	69	1088320	9.068	ppbv		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4819901	8.244	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	1006598	10.620	ppbv		100
46) cis-1,3-Dichloropropene	8.69	75	1341043	9.827	ppbv		98
47) 1,1,2-Trichloroethane	9.46	97	1216422	8.687	ppbv		98
48) Dibromochloromethane	10.29	129	1999464	9.635	ppbv		100
49) Bromoform	13.03	173	1523823	9.793	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	1866542	8.938	ppbv		100
51) 2-Hexanone	10.13	43	920075	9.690	ppbv	#	97
52) Tetrachloroethene	11.21	164	1231394	8.083	ppbv		98
53) Toluene	9.80	91	3520180	8.431	ppbv		98
54) 1,2-Dibromoethane	10.60	107	1767886	9.091	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1327629	9.164	ppbv	#	60
57) Chlorobenzene	12.13	112	2588207	9.135	ppbv		99
58) Ethyl Benzene	12.70	91	4313840	8.751	ppbv		98
59) m/p-Xylene	12.98	91	7466869m	17.984	ppbv		
60) o-Xylene	13.68	91	3251300	8.617	ppbv		98
61) Styrene	13.51	104	1905625	9.213	ppbv		100
62) Isopropylbenzene	14.65	105	5035090	9.190	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.66	83	2354603	8.594	ppbv		100
64) n-propylbenzene	15.55	120	1309213	9.138	ppbv		100
65) tert-Butylbenzene	16.73	119	4455870	8.818	ppbv		100
66) Benzyl Chloride	16.97	91	220798	11.242	ppbv		98
67) sec-Butylbenzene	17.28	105	6054311	8.884	ppbv		99
69) p-Isopropyltoluene	17.64	119	5283381	9.216	ppbv		100
70) n-Butylbenzene	18.54	91	4978747	9.495	ppbv		99
71) 2-Chlorotoluene	15.44	91	3412709	8.914	ppbv		100
72) 4-Ethyltoluene	15.82	105	4095074	8.990	ppbv		100
73) 1,3,5-Trimethylbenzene	15.98	105	3813947	9.313	ppbv		97
74) 1,2,4-Trimethylbenzene	16.75	105	4048582	9.264	ppbv		96
75) 1,3-Dichlorobenzene	16.98	146	2570697	9.568	ppbv		99
76) 1,4-Dichlorobenzene	17.12	146	2514048	9.434	ppbv		99
77) 1,2-Dichlorobenzene	17.80	146	2509119	9.589	ppbv		100
78) Hexachloro-1,3-Butadiene	23.36	225	2053307	8.738	ppbv		99
79) Naphthalene	22.18	128	4522297	11.274	ppbv		99
80) Naphthalene,2-methyl-	24.96	142	1072931	16.458	ppbv		92
81) 1,2,4-Trichlorobenzene	21.91	180	2435244	10.450	ppbv		99

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

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