

**ESI Table S3.** Analytical results for GSD-1G using SRM 612 as a standard<sup>a</sup>

Run #	Ablation condition	Sample	<sup>10</sup> B / V	2SE	<sup>11</sup> B / V	2SE	<sup>10</sup> B/ <sup>11</sup> B	2SE	δ <sup>11</sup> B	2SE
Run1	100um/40Hz/266nm	SRM612_1	0.0536	0.0012	0.2440	0.0053	4.555	0.002		0.4
Run2	100um/40Hz/266nm	GSD-1G_1	0.0716	0.0016	0.3305	0.0072	4.613	0.001	12.0	0.3
Run3	100um/40Hz/266nm	SRM612_2	0.0549	0.0015	0.2500	0.0068	4.556	0.002		0.4
Run4	100um/40Hz/266nm	GSD-1G_2	0.0802	0.0023	0.3698	0.0104	4.612	0.001	11.8	0.2
Run5	100um/40Hz/266nm	SRM612_3	0.0563	0.0019	0.2565	0.0088	4.556	0.002		0.5
Run6	100um/40Hz/266nm	GSD-1G_3	0.0815	0.0024	0.3758	0.0110	4.611	0.001	11.7	0.3
Run7	100um/40Hz/266nm	SRM612_4	0.0561	0.0016	0.2557	0.0073	4.555	0.002		0.4
Run8	100um/40Hz/266nm	GSD-1G_4	0.0721	0.0021	0.3326	0.0098	4.613	0.001	11.9	0.3
Run9	100um/40Hz/266nm	SRM612_5	0.0561	0.0016	0.2558	0.0072	4.557	0.002		0.4
Run10	100um/40Hz/266nm	GSD-1G_5	0.0747	0.0018	0.3446	0.0084	4.614	0.001	12.0	0.3
Run11	100um/40Hz/266nm	SRM612_6	0.0574	0.0018	0.2617	0.0080	4.556	0.001		0.3
Run12	100um/40Hz/266nm	GSD-1G_6	0.0816	0.0024	0.3763	0.0108	4.611	0.001	11.7	0.3
Run13	100um/40Hz/266nm	SRM612_7	0.0580	0.0017	0.2641	0.0077	4.555	0.002		0.4
Run14	100um/40Hz/266nm	GSD-1G_7	0.0805	0.0022	0.3714	0.0099	4.611	0.001	11.8	0.3
Run15	100um/40Hz/266nm	SRM612_8	0.0554	0.0014	0.2522	0.0064	4.556	0.002		0.4
Run16	100um/40Hz/266nm	GSD-1G_8	0.0676	0.0014	0.3119	0.0064	4.614	0.001	12.2	0.3
Run17	100um/40Hz/266nm	SRM612_9	0.0650	0.0023	0.2962	0.0105	4.556	0.002		0.3
Run18	100um/40Hz/266nm	GSD-1G_9	0.0682	0.0018	0.3144	0.0083	4.612	0.002	11.8	0.4
Run19	100um/40Hz/266nm	SRM612_10	0.0585	0.0014	0.2666	0.0063	4.557	0.002		0.4
Run20	100um/40Hz/266nm	GSD-1G_10	0.0811	0.0023	0.3741	0.0106	4.614	0.001	11.9	0.3
Run21	100um/40Hz/266nm	SRM612_11	0.0595	0.0015	0.2714	0.0069	4.558	0.002		0.3
Run22	100um/40Hz/266nm	GSD-1G_11	0.0885	0.0010	0.4080	0.0047	4.613	0.001	11.7	0.3
Run23	100um/40Hz/266nm	SRM612_12	0.0622	0.0015	0.2835	0.0066	4.557	0.002		0.4
Run24	100um/40Hz/266nm	GSD-1G_12	0.0893	0.0012	0.4119	0.0055	4.613	0.001	11.6	0.2
Run25	100um/40Hz/266nm	SRM612_13	0.0592	0.0014	0.2697	0.0065	4.558	0.002		0.3
Run26	100um/40Hz/266nm	GSD-1G_13	0.0868	0.0012	0.4005	0.0057	4.613	0.001	11.6	0.2
Run27	100um/40Hz/266nm	SRM612_14	0.0607	0.0014	0.2765	0.0064	4.557	0.002		0.3
Run28	100um/40Hz/266nm	GSD-1G_14	0.0862	0.0013	0.3972	0.0059	4.610	0.001	11.3	0.3
Run29	100um/40Hz/266nm	SRM612_15	0.0657	0.0019	0.2995	0.0084	4.556	0.002		0.4
Run30	100um/40Hz/266nm	GSD-1G_15	0.0879	0.0012	0.4050	0.0055	4.609	0.001	11.2	0.2
Run31	100um/40Hz/266nm	SRM612_16	0.0612	0.0014	0.2790	0.0065	4.556	0.002		0.4
Run32	100um/40Hz/266nm	GSD-1G_16	0.0875	0.0008	0.4034	0.0035	4.609	0.001	10.8	0.3
Run33	100um/40Hz/266nm	SRM612_17	0.0619	0.0018	0.2822	0.0083	4.559	0.002		0.4
Run34	100um/40Hz/266nm	GSD-1G_17	0.0869	0.0009	0.4004	0.0040	4.609	0.001	10.6	0.3
Run35	100um/40Hz/266nm	SRM612_18	0.0628	0.0015	0.2862	0.0068	4.557	0.001		0.3
Run36	100um/40Hz/266nm	GSD-1G_18	0.0881	0.0007	0.4057	0.0034	4.608	0.001	10.5	0.2
Run37	100um/40Hz/266nm	SRM612_19	0.0607	0.0015	0.2764	0.0067	4.557	0.002		0.4
Run38	100um/40Hz/266nm	GSD-1G_19	0.0862	0.0009	0.3976	0.0043	4.609	0.001	10.8	0.3
Run39	100um/40Hz/266nm	SRM612_20	0.0599	0.0012	0.2730	0.0054	4.559	0.002		0.4
Run40	100um/40Hz/266nm	GSD-1G_20	0.0851	0.0008	0.3924	0.0035	4.611	0.001	11.1	0.3
Run41	100um/40Hz/266nm	SRM612_21	0.0589	0.0012	0.2687	0.0057	4.558	0.002		0.3

<sup>a</sup>: 2SE: 2-standard error