

Liquefy. cal

0.47										
0.47	1.55	129.69	0.095	129.69	0.095	1.00	0.000	0.608	0.39	1.20
0.47	1.60	129.68	0.098	129.68	0.098	1.00	0.000	0.608	0.39	1.20
0.47	1.65	129.67	0.101	129.67	0.101	1.00	0.000	0.608	0.39	1.20
0.47	1.70	129.66	0.104	129.66	0.104	1.00	0.000	0.608	0.39	1.20
0.47	1.75	129.65	0.107	129.65	0.107	1.00	0.000	0.608	0.39	1.20
0.47	1.80	129.64	0.110	129.64	0.110	1.00	0.000	0.608	0.39	1.20
0.47	1.85	129.63	0.113	129.63	0.113	1.00	0.000	0.608	0.39	1.20
0.47	1.90	129.62	0.117	129.62	0.117	1.00	0.000	0.608	0.39	1.20
0.47	1.95	129.61	0.120	129.61	0.120	1.00	0.000	0.608	0.39	1.20
0.47	2.00	129.60	0.123	129.60	0.123	1.00	0.000	0.608	0.39	1.20
0.47	2.05	129.59	0.126	129.59	0.126	1.00	0.000	0.608	0.39	1.20
0.47	2.10	129.58	0.129	129.58	0.129	1.00	0.000	0.608	0.39	1.20
0.47	2.15	129.57	0.132	129.57	0.132	0.99	0.000	0.608	0.39	1.20
0.47	2.20	129.56	0.135	129.56	0.135	0.99	0.000	0.608	0.39	1.20
0.47	2.25	129.55	0.138	129.55	0.138	0.99	0.000	0.608	0.39	1.20
0.47	2.30	129.54	0.141	129.54	0.141	0.99	0.000	0.608	0.39	1.20
0.47	2.35	129.53	0.144	129.53	0.144	0.99	0.000	0.608	0.39	1.20
0.47	2.40	129.52	0.147	129.52	0.147	0.99	0.000	0.608	0.39	1.20
0.47	2.45	129.51	0.150	129.51	0.150	0.99	0.000	0.608	0.39	1.20
0.47	2.50	129.50	0.153	129.50	0.153	0.99	0.000	0.608	0.39	1.20
0.47	2.55	129.49	0.156	129.49	0.156	0.99	0.000	0.608	0.39	1.20
0.47	2.60	129.48	0.159	129.48	0.159	0.99	0.000	0.608	0.39	1.20
0.47	2.65	129.47	0.162	129.47	0.162	0.99	0.000	0.608	0.39	1.20
0.47	2.70	129.46	0.166	129.46	0.166	0.99	0.000	0.608	0.39	1.20
0.47	2.75	129.45	0.169	129.45	0.169	0.99	0.000	0.608	0.39	1.20
0.47	2.80	129.44	0.172	129.44	0.172	0.99	0.000	0.608	0.39	1.20
0.47	2.85	129.43	0.175	129.43	0.175	0.99	0.000	0.608	0.39	1.20
0.47	2.90	129.42	0.178	129.42	0.178	0.99	0.000	0.608	0.39	1.20
0.47	2.95	129.41	0.181	129.41	0.181	0.99	0.000	0.608	0.39	1.20
0.47	3.00	129.40	0.184	129.40	0.184	0.99	0.000	0.608	0.39	1.20
0.47	3.05	129.39	0.187	129.39	0.187	0.99	0.000	0.608	0.39	1.20

Liquefy. cal

0.47	3.10	129.38	0.190	129.38	0.190	0.99	0.000	0.608	0.39	1.20
0.47	3.15	129.37	0.193	129.37	0.193	0.99	0.000	0.608	0.39	1.20
0.47	3.20	129.36	0.196	129.36	0.196	0.99	0.000	0.608	0.39	1.20
0.47	3.25	129.35	0.199	129.35	0.199	0.99	0.000	0.608	0.39	1.20
0.47	3.30	129.34	0.202	129.34	0.202	0.99	0.000	0.608	0.39	1.20
0.47	3.35	129.33	0.205	129.33	0.205	0.99	0.000	0.608	0.39	1.20
0.47	3.40	129.32	0.208	129.32	0.208	0.99	0.000	0.608	0.39	1.20
0.47	3.45	129.31	0.211	129.31	0.211	0.99	0.000	0.608	0.39	1.20
0.47	3.50	129.30	0.214	129.30	0.214	0.99	0.000	0.608	0.39	1.20
0.47	3.55	129.29	0.218	129.29	0.218	0.99	0.000	0.608	0.39	1.20
0.47	3.60	129.28	0.221	129.28	0.221	0.99	0.000	0.608	0.39	1.20
0.47	3.65	129.27	0.224	129.27	0.224	0.99	0.000	0.608	0.39	1.20
0.47	3.70	129.26	0.227	129.26	0.227	0.99	0.000	0.608	0.39	1.20
0.47	3.75	129.25	0.230	129.25	0.230	0.99	0.000	0.608	0.39	1.20
0.47	3.80	129.24	0.233	129.24	0.233	0.99	0.000	0.608	0.39	1.20
0.47	3.85	129.23	0.236	129.23	0.236	0.99	0.000	0.608	0.39	1.20
0.47	3.90	129.22	0.239	129.22	0.239	0.99	0.000	0.608	0.39	1.20
0.47	3.95	129.21	0.242	129.21	0.242	0.99	0.000	0.608	0.39	1.20
0.47	4.00	129.20	0.245	129.20	0.245	0.99	0.000	0.608	0.39	1.20
0.47	4.05	129.19	0.248	129.19	0.248	0.99	0.000	0.608	0.39	1.20
0.47	4.10	129.18	0.251	129.18	0.251	0.99	0.000	0.608	0.39	1.20
0.47	4.15	129.17	0.254	129.17	0.254	0.99	0.000	0.608	0.39	1.20
0.47	4.20	129.16	0.257	129.16	0.257	0.99	0.000	0.608	0.39	1.20
0.47	4.25	129.15	0.260	129.15	0.260	0.99	0.000	0.608	0.39	1.20
0.47	4.30	129.14	0.263	129.14	0.263	0.99	0.000	0.608	0.39	1.20
0.47	4.35	129.13	0.266	129.13	0.266	0.99	0.000	0.608	0.39	1.20
0.47	4.40	129.12	0.269	129.12	0.269	0.99	0.000	0.608	0.39	1.20
0.47	4.45	129.11	0.272	129.11	0.272	0.99	0.000	0.608	0.39	1.20
0.47	4.50	129.10	0.276	129.10	0.276	0.99	0.000	0.608	0.39	1.20
0.47	4.55	129.09	0.279	129.09	0.279	0.99	0.000	0.608	0.39	1.20
0.47	4.60	129.08	0.282	129.08	0.282	0.99	0.000	0.608	0.39	1.20
0.47	4.65	129.07	0.285	129.07	0.285	0.99	0.000	0.608	0.39	1.20

Li quefy. cal

0. 47										
0. 47	4. 70	129. 06	0. 288	129. 06	0. 288	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 75	129. 05	0. 291	129. 05	0. 291	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 80	129. 04	0. 294	129. 04	0. 294	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 85	129. 03	0. 297	129. 03	0. 297	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 90	129. 02	0. 300	129. 02	0. 300	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 95	129. 01	0. 303	129. 01	0. 303	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 00	129. 00	0. 306	129. 00	0. 306	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 05	128. 91	0. 309	128. 91	0. 309	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 10	128. 82	0. 312	128. 82	0. 312	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 15	128. 73	0. 315	128. 73	0. 315	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 20	128. 64	0. 318	128. 64	0. 318	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 25	128. 55	0. 321	128. 55	0. 321	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 30	128. 46	0. 324	128. 46	0. 324	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 35	128. 37	0. 327	128. 37	0. 327	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 40	128. 28	0. 330	128. 28	0. 330	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 45	128. 19	0. 333	128. 19	0. 333	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 50	128. 10	0. 336	128. 10	0. 336	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 55	128. 01	0. 339	128. 01	0. 339	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 60	127. 92	0. 342	127. 92	0. 342	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 65	127. 83	0. 345	127. 83	0. 345	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 70	127. 74	0. 348	127. 74	0. 348	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 75	127. 65	0. 351	127. 65	0. 351	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 80	127. 56	0. 355	127. 56	0. 355	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 85	127. 47	0. 358	127. 47	0. 358	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 90	127. 38	0. 361	127. 38	0. 361	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 95	127. 29	0. 364	127. 29	0. 364	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 00	127. 20	0. 367	127. 20	0. 367	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 05	127. 11	0. 370	127. 11	0. 370	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 10	127. 02	0. 373	127. 02	0. 373	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 15	126. 93	0. 376	126. 93	0. 376	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 20	126. 84	0. 379	126. 84	0. 379	0. 99	0. 000	0. 608	0. 39	1. 20

Liquefy. cal

0.47	6.25	126.75	0.382	126.75	0.382	0.99	0.000	0.608	0.39	1.20
0.47	6.30	126.66	0.385	126.66	0.385	0.99	0.000	0.608	0.39	1.20
0.47	6.35	126.57	0.388	126.57	0.388	0.99	0.000	0.608	0.39	1.20
0.47	6.40	126.48	0.391	126.48	0.391	0.99	0.000	0.608	0.39	1.20
0.47	6.45	126.39	0.394	126.39	0.394	0.98	0.000	0.608	0.39	1.20
0.47	6.50	126.30	0.397	126.30	0.397	0.98	0.000	0.608	0.39	1.20
0.47	6.55	126.21	0.399	126.21	0.399	0.98	0.000	0.608	0.39	1.20
0.47	6.60	126.12	0.402	126.12	0.402	0.98	0.000	0.608	0.39	1.20
0.47	6.65	126.03	0.405	126.03	0.405	0.98	0.000	0.608	0.39	1.20
0.47	6.70	125.94	0.408	125.94	0.408	0.98	0.000	0.608	0.39	1.20
0.47	6.75	125.85	0.411	125.85	0.411	0.98	0.000	0.608	0.39	1.20
0.47	6.80	125.76	0.414	125.76	0.414	0.98	0.000	0.608	0.39	1.20
0.47	6.85	125.67	0.417	125.67	0.417	0.98	0.000	0.608	0.39	1.20
0.47	6.90	125.58	0.420	125.58	0.420	0.98	0.000	0.608	0.39	1.20
0.47	6.95	125.49	0.423	125.49	0.423	0.98	0.000	0.608	0.39	1.20
0.47	7.00	125.40	0.426	125.40	0.426	0.98	0.000	0.608	0.39	1.20
0.47	7.05	125.31	0.429	125.31	0.429	0.98	0.000	0.608	0.39	1.20
0.47	7.10	125.22	0.432	125.22	0.432	0.98	0.000	0.608	0.39	1.20
0.47	7.15	125.13	0.435	125.13	0.435	0.98	0.000	0.608	0.39	1.20
0.47	7.20	125.04	0.438	125.04	0.438	0.98	0.000	0.608	0.39	1.20
0.47	7.25	124.95	0.441	124.95	0.441	0.98	0.000	0.608	0.39	1.20
0.47	7.30	124.86	0.444	124.86	0.444	0.98	0.000	0.608	0.39	1.20
0.47	7.35	124.77	0.447	124.77	0.447	0.98	0.000	0.608	0.39	1.20
0.47	7.40	124.68	0.450	124.68	0.450	0.98	0.000	0.608	0.39	1.20
0.47	7.45	124.59	0.453	124.59	0.453	0.98	0.000	0.608	0.39	1.20
0.47	7.50	124.50	0.456	124.50	0.456	0.98	0.000	0.608	0.39	1.20
0.47	7.55	124.41	0.459	124.41	0.459	0.98	0.000	0.608	0.39	1.20
0.47	7.60	124.32	0.462	124.32	0.462	0.98	0.000	0.608	0.39	1.20
0.47	7.65	124.23	0.465	124.23	0.465	0.98	0.000	0.608	0.39	1.20
0.47	7.70	124.14	0.468	124.14	0.468	0.98	0.000	0.608	0.39	1.20
0.47	7.75	124.05	0.470	124.05	0.470	0.98	0.000	0.608	0.39	1.20
0.47	7.80	123.96	0.473	123.96	0.473	0.98	0.000	0.608	0.39	1.20

Liquefy. cal

0.47										
0.47	7.85	123.87	0.476	123.87	0.476	0.98	0.000	0.608	0.39	1.20
0.47	7.90	123.78	0.479	123.78	0.479	0.98	0.000	0.608	0.39	1.20
0.47	7.95	123.69	0.482	123.69	0.482	0.98	0.000	0.608	0.39	1.20
0.47	8.00	123.60	0.485	123.60	0.485	0.98	0.000	0.608	0.39	1.20
0.47	8.05	123.51	0.488	123.51	0.488	0.98	0.000	0.608	0.39	1.20
0.47	8.10	123.42	0.491	123.42	0.491	0.98	0.000	0.608	0.39	1.20
0.47	8.15	123.33	0.494	123.33	0.494	0.98	0.000	0.608	0.39	1.20
0.47	8.20	123.24	0.497	123.24	0.497	0.98	0.000	0.608	0.39	1.20
0.47	8.25	123.15	0.500	123.15	0.500	0.98	0.000	0.608	0.39	1.20
0.47	8.30	123.06	0.503	123.06	0.503	0.98	0.000	0.608	0.39	1.20
0.47	8.35	122.97	0.506	122.97	0.506	0.98	0.000	0.608	0.39	1.20
0.47	8.40	122.88	0.508	122.88	0.508	0.98	0.000	0.608	0.39	1.20
0.46	8.45	122.79	0.511	122.79	0.511	0.98	0.000	0.608	0.39	1.20
0.46	8.50	122.70	0.514	122.70	0.514	0.98	0.000	0.608	0.39	1.20
0.46	8.55	122.61	0.517	122.61	0.517	0.98	0.000	0.608	0.39	1.20
0.46	8.60	122.52	0.520	122.52	0.520	0.98	0.000	0.608	0.39	1.20
0.46	8.65	122.43	0.523	122.43	0.523	0.98	0.000	0.608	0.39	1.20
0.46	8.70	122.34	0.526	122.34	0.526	0.98	0.000	0.608	0.39	1.20
0.46	8.75	122.25	0.529	122.25	0.529	0.98	0.000	0.608	0.39	1.20
0.46	8.80	122.16	0.532	122.16	0.532	0.98	0.000	0.608	0.39	1.20
0.46	8.85	122.07	0.534	122.07	0.534	0.98	0.000	0.608	0.39	1.20
0.46	8.90	121.98	0.537	121.98	0.537	0.98	0.000	0.608	0.39	1.20
0.46	8.95	121.89	0.540	121.89	0.540	0.98	0.000	0.608	0.39	1.20
0.46	9.00	121.80	0.543	121.80	0.543	0.98	0.000	0.608	0.39	1.20
0.46	9.05	121.71	0.546	121.71	0.546	0.98	0.000	0.608	0.39	1.20
0.46	9.10	121.62	0.549	121.62	0.549	0.98	0.000	0.608	0.39	1.20
0.46	9.15	121.53	0.552	121.53	0.552	0.98	0.000	0.608	0.39	1.20
0.46	9.20	121.44	0.555	121.44	0.555	0.98	0.000	0.608	0.39	1.20
0.46	9.25	121.35	0.557	121.35	0.557	0.98	0.000	0.608	0.39	1.20
0.46	9.30	121.26	0.560	121.26	0.560	0.98	0.000	0.608	0.39	1.20
0.46	9.35	121.17	0.563	121.17	0.563	0.98	0.000	0.608	0.39	1.20

Liquefy. cal

0.46	9.40	121.08	0.566	121.08	0.566	0.98	0.000	0.608	0.39	1.20
0.46	9.45	120.99	0.569	120.99	0.569	0.98	0.000	0.608	0.39	1.20
0.46	9.50	120.90	0.572	120.90	0.572	0.98	0.000	0.608	0.39	1.20
0.46	9.55	120.81	0.575	120.81	0.575	0.98	0.000	0.608	0.39	1.20
0.46	9.60	120.72	0.578	120.72	0.578	0.98	0.000	0.608	0.39	1.20
0.46	9.65	120.63	0.580	120.63	0.580	0.98	0.000	0.608	0.39	1.20
0.46	9.70	120.54	0.583	120.54	0.583	0.98	0.000	0.608	0.39	1.20
0.46	9.75	120.45	0.586	120.45	0.586	0.98	0.000	0.608	0.39	1.20
0.46	9.80	120.36	0.589	120.36	0.589	0.98	0.000	0.608	0.39	1.20
0.46	9.85	120.27	0.592	120.27	0.592	0.98	0.000	0.608	0.39	1.20
0.46	9.90	120.18	0.595	120.18	0.595	0.98	0.000	0.608	0.39	1.20
0.46	9.95	120.09	0.597	120.09	0.597	0.98	0.000	0.608	0.39	1.20
0.46	10.00	120.00	0.600	120.00	0.600	0.98	0.000	0.608	0.39	1.20
0.46	10.05	120.08	0.603	120.08	0.603	0.98	0.000	0.608	0.39	1.20
0.46	10.10	120.16	0.606	120.16	0.606	0.98	0.000	0.608	0.39	1.20
0.46	10.15	120.24	0.609	120.24	0.609	0.98	0.000	0.608	0.39	1.20
0.46	10.20	120.32	0.612	120.32	0.612	0.98	0.000	0.608	0.39	1.20
0.46	10.25	120.40	0.614	120.40	0.614	0.98	0.000	0.608	0.39	1.20
0.46	10.30	120.48	0.617	120.48	0.617	0.98	0.000	0.608	0.39	1.20
0.46	10.35	120.56	0.620	120.56	0.620	0.98	0.000	0.608	0.39	1.20
0.46	10.40	120.64	0.623	120.64	0.623	0.98	0.000	0.608	0.39	1.20
0.46	10.45	120.72	0.626	120.72	0.626	0.98	0.000	0.608	0.39	1.20
0.46	10.50	120.80	0.629	120.80	0.629	0.98	0.000	0.608	0.39	1.20
0.46	10.55	120.88	0.632	120.88	0.632	0.98	0.000	0.608	0.39	1.20
0.46	10.60	120.96	0.634	120.96	0.634	0.98	0.000	0.608	0.39	1.20
0.46	10.65	121.04	0.637	121.04	0.637	0.98	0.000	0.608	0.39	1.20
0.46	10.70	121.12	0.640	121.12	0.640	0.98	0.000	0.608	0.39	1.20
0.46	10.75	121.20	0.643	121.20	0.643	0.97	0.000	0.608	0.39	1.20
0.46	10.80	121.28	0.646	121.28	0.646	0.97	0.000	0.608	0.39	1.20
0.46	10.85	121.36	0.649	121.36	0.649	0.97	0.000	0.608	0.39	1.20
0.46	10.90	121.44	0.652	121.44	0.652	0.97	0.000	0.608	0.39	1.20
0.46	10.95	121.52	0.654	121.52	0.654	0.97	0.000	0.608	0.39	1.20

Liquefy. cal

0.46										
0.46	11.00	121.60	0.657	121.60	0.657	0.97	0.000	0.608	0.39	1.20
0.46	11.05	121.68	0.660	121.68	0.660	0.97	0.000	0.608	0.39	1.20
0.46	11.10	121.76	0.663	121.76	0.663	0.97	0.000	0.608	0.38	1.20
0.46	11.15	121.84	0.666	121.84	0.666	0.97	0.000	0.608	0.38	1.20
0.46	11.20	121.92	0.669	121.92	0.669	0.97	0.000	0.608	0.38	1.20
0.46	11.25	122.00	0.672	122.00	0.672	0.97	0.000	0.608	0.38	1.20
0.46	11.30	122.08	0.675	122.08	0.675	0.97	0.000	0.608	0.38	1.20
0.46	11.35	122.16	0.677	122.16	0.677	0.97	0.000	0.608	0.38	1.20
0.46	11.40	122.24	0.680	122.24	0.680	0.97	0.000	0.608	0.38	1.20
0.46	11.45	122.32	0.683	122.32	0.683	0.97	0.000	0.608	0.38	1.20
0.46	11.50	122.40	0.686	122.40	0.686	0.97	0.000	0.608	0.38	1.20
0.46	11.55	122.48	0.689	122.48	0.689	0.97	0.000	0.608	0.38	1.20
0.46	11.60	122.56	0.692	122.56	0.692	0.97	0.000	0.608	0.38	1.20
0.46	11.65	122.64	0.695	122.64	0.695	0.97	0.000	0.608	0.38	1.20
0.46	11.70	122.72	0.698	122.72	0.698	0.97	0.000	0.608	0.38	1.20
0.46	11.75	122.80	0.701	122.80	0.701	0.97	0.000	0.608	0.38	1.20
0.46	11.80	122.88	0.704	122.88	0.704	0.97	0.000	0.608	0.38	1.20
0.46	11.85	122.96	0.706	122.96	0.706	0.97	0.000	0.608	0.38	1.20
0.46	11.90	123.04	0.709	123.04	0.709	0.97	0.000	0.608	0.38	1.20
0.46	11.95	123.12	0.712	123.12	0.712	0.97	0.000	0.608	0.38	1.20
0.46	12.00	123.20	0.715	123.20	0.715	0.97	0.000	0.608	0.38	1.20
0.46	12.05	123.28	0.718	123.28	0.718	0.97	0.000	0.608	0.38	1.20
0.46	12.10	123.36	0.721	123.36	0.721	0.97	0.000	0.608	0.38	1.20
0.46	12.15	123.44	0.724	123.44	0.724	0.97	0.000	0.608	0.38	1.20
0.46	12.20	123.52	0.727	123.52	0.727	0.97	0.000	0.608	0.38	1.20
0.46	12.25	123.60	0.730	123.60	0.730	0.97	0.000	0.608	0.38	1.20
0.46	12.30	123.68	0.733	123.68	0.733	0.97	0.000	0.608	0.38	1.20
0.46	12.35	123.76	0.736	123.76	0.736	0.97	0.000	0.608	0.38	1.20
0.46	12.40	123.84	0.738	123.84	0.738	0.97	0.000	0.608	0.38	1.20
0.46	12.45	123.92	0.741	123.92	0.741	0.97	0.000	0.608	0.38	1.20
0.46	12.50	124.00	0.744	124.00	0.744	0.97	0.000	0.608	0.38	1.20

				Liquefy. cal						
0.46	12.55	124.08	0.747	124.08	0.747	0.97	0.000	0.608	0.38	1.20
0.46	12.60	124.16	0.750	124.16	0.750	0.97	0.000	0.608	0.38	1.20
0.46	12.65	124.24	0.753	124.24	0.753	0.97	0.000	0.608	0.38	1.20
0.46	12.70	124.32	0.756	124.32	0.756	0.97	0.000	0.608	0.38	1.20
0.46	12.75	124.40	0.759	124.40	0.759	0.97	0.000	0.608	0.38	1.20
0.46	12.80	124.48	0.762	124.48	0.762	0.97	0.000	0.608	0.38	1.20
0.46	12.85	124.56	0.765	124.56	0.765	0.97	0.000	0.608	0.38	1.20
0.46	12.90	124.64	0.768	124.64	0.768	0.97	0.000	0.608	0.38	1.20
0.46	12.95	124.72	0.771	124.72	0.771	0.97	0.000	0.608	0.38	1.20
0.46	13.00	124.80	0.774	124.80	0.774	0.97	0.000	0.608	0.38	1.20
0.46	13.05	124.88	0.777	124.88	0.777	0.97	0.000	0.608	0.38	1.20
0.46	13.10	124.96	0.780	124.96	0.780	0.97	0.000	0.608	0.38	1.20
0.46	13.15	125.04	0.783	125.04	0.783	0.97	0.000	0.608	0.38	1.20
0.46	13.20	125.12	0.786	125.12	0.786	0.97	0.000	0.608	0.38	1.20
0.46	13.25	125.20	0.788	125.20	0.788	0.97	0.000	0.608	0.38	1.20
0.46	13.30	125.28	0.791	125.28	0.791	0.97	0.000	0.608	0.38	1.20
0.46	13.35	125.36	0.794	125.36	0.794	0.97	0.000	0.608	0.38	1.20
0.46	13.40	125.44	0.797	125.44	0.797	0.97	0.000	0.608	0.38	1.20
0.46	13.45	125.52	0.800	125.52	0.800	0.97	0.000	0.608	0.38	1.20
0.46	13.50	125.60	0.803	125.60	0.803	0.97	0.000	0.608	0.38	1.20
0.46	13.55	125.68	0.806	125.68	0.806	0.97	0.000	0.608	0.38	1.20
0.46	13.60	125.76	0.809	125.76	0.809	0.97	0.000	0.608	0.38	1.20
0.46	13.65	125.84	0.812	125.84	0.812	0.97	0.000	0.608	0.38	1.20
0.46	13.70	125.92	0.815	125.92	0.815	0.97	0.000	0.608	0.38	1.20
0.46	13.75	126.00	0.818	126.00	0.818	0.97	0.000	0.608	0.38	1.20
0.46	13.80	126.08	0.821	126.08	0.821	0.97	0.000	0.608	0.38	1.20
0.46	13.85	126.16	0.824	126.16	0.824	0.97	0.000	0.608	0.38	1.20
0.46	13.90	126.24	0.827	126.24	0.827	0.97	0.000	0.608	0.38	1.20
0.46	13.95	126.32	0.830	126.32	0.830	0.97	0.000	0.608	0.38	1.20
0.46	14.00	126.40	0.833	126.40	0.833	0.97	0.000	0.608	0.38	1.20
0.46	14.05	126.48	0.836	126.48	0.836	0.97	0.000	0.608	0.38	1.20
0.46	14.10	126.56	0.839	126.56	0.839	0.97	0.000	0.608	0.38	1.20

Liquefy. cal

0.46										
0.46	14.15	126.64	0.842	126.64	0.842	0.97	0.000	0.608	0.38	1.20
0.46	14.20	126.72	0.845	126.72	0.845	0.97	0.000	0.608	0.38	1.20
0.46	14.25	126.80	0.848	126.80	0.848	0.97	0.000	0.608	0.38	1.20
0.46	14.30	126.88	0.851	126.88	0.851	0.97	0.000	0.608	0.38	1.20
0.46	14.35	126.96	0.854	126.96	0.854	0.97	0.000	0.608	0.38	1.20
0.46	14.40	127.04	0.857	127.04	0.857	0.97	0.000	0.608	0.38	1.20
0.46	14.45	127.12	0.860	127.12	0.860	0.97	0.000	0.608	0.38	1.20
0.46	14.50	127.20	0.863	127.20	0.863	0.97	0.000	0.608	0.38	1.20
0.46	14.55	127.28	0.866	127.28	0.866	0.97	0.000	0.608	0.38	1.20
0.46	14.60	127.36	0.869	127.36	0.869	0.97	0.000	0.608	0.38	1.20
0.46	14.65	127.44	0.872	127.44	0.872	0.97	0.000	0.608	0.38	1.20
0.46	14.70	127.52	0.875	127.52	0.875	0.97	0.000	0.608	0.38	1.20
0.46	14.75	127.60	0.878	127.60	0.878	0.97	0.000	0.608	0.38	1.20
0.46	14.80	127.68	0.881	127.68	0.881	0.97	0.000	0.608	0.38	1.20
0.46	14.85	127.76	0.884	127.76	0.884	0.97	0.000	0.608	0.38	1.20
0.46	14.90	127.84	0.887	127.84	0.887	0.97	0.000	0.608	0.38	1.20
0.46	14.95	127.92	0.890	127.92	0.890	0.97	0.000	0.608	0.38	1.20
0.46	15.00	128.00	0.893	128.00	0.893	0.97	0.000	0.608	0.38	1.20
0.46	15.05	128.08	0.896	128.08	0.896	0.96	0.000	0.608	0.38	1.20
0.46	15.10	128.16	0.899	128.16	0.899	0.96	0.000	0.608	0.38	1.20
0.46	15.15	128.24	0.902	128.24	0.902	0.96	0.000	0.608	0.38	1.20
0.46	15.20	128.32	0.905	128.32	0.905	0.96	0.000	0.608	0.38	1.20
0.46	15.25	128.40	0.908	128.40	0.908	0.96	0.000	0.608	0.38	1.20
0.46	15.30	128.48	0.911	128.48	0.911	0.96	0.000	0.608	0.38	1.20
0.46	15.35	128.56	0.914	128.56	0.914	0.96	0.000	0.608	0.38	1.20
0.46	15.40	128.64	0.917	128.64	0.917	0.96	0.000	0.608	0.38	1.20
0.46	15.45	128.72	0.920	128.72	0.920	0.96	0.000	0.608	0.38	1.20
0.46	15.50	128.80	0.923	128.80	0.923	0.96	0.000	0.608	0.38	1.20
0.46	15.55	128.88	0.927	128.88	0.927	0.96	0.000	0.608	0.38	1.20
0.46	15.60	128.96	0.930	128.96	0.930	0.96	0.000	0.608	0.38	1.20
0.46	15.65	129.04	0.933	129.04	0.933	0.96	0.000	0.608	0.38	1.20

				Liquefy. cal							
0.46	15.70	129.12	0.936	129.12	0.936	0.96	0.000	0.608	0.38	1.20	
0.46	15.75	129.20	0.939	129.20	0.939	0.96	0.000	0.608	0.38	1.20	
0.46	15.80	129.28	0.942	129.28	0.942	0.96	0.000	0.608	0.38	1.20	
0.46	15.85	129.36	0.945	129.36	0.945	0.96	0.000	0.608	0.38	1.20	
0.46	15.90	129.44	0.948	129.44	0.948	0.96	0.000	0.608	0.38	1.20	
0.46	15.95	129.52	0.951	129.52	0.951	0.96	0.000	0.608	0.38	1.20	
0.46	16.00	129.60	0.954	129.60	0.954	0.96	0.000	0.608	0.38	1.20	
0.46	16.05	129.68	0.957	129.68	0.957	0.96	0.000	0.608	0.38	1.20	
0.46	16.10	129.76	0.960	129.76	0.960	0.96	0.000	0.608	0.38	1.20	
0.46	16.15	129.84	0.963	129.84	0.963	0.96	0.000	0.608	0.38	1.20	
0.46	16.20	129.92	0.966	129.92	0.966	0.96	0.000	0.608	0.38	1.20	
0.46	16.25	130.00	0.969	130.00	0.969	0.96	0.000	0.608	0.38	1.20	
0.46	16.30	130.08	0.972	130.08	0.972	0.96	0.000	0.608	0.38	1.20	
0.46	16.35	130.16	0.975	130.16	0.975	0.96	0.000	0.608	0.38	1.20	
0.46	16.40	130.24	0.979	130.24	0.979	0.96	0.000	0.608	0.38	1.20	
0.46	16.45	130.32	0.982	130.32	0.982	0.96	0.000	0.608	0.38	1.20	
0.46	16.50	130.40	0.985	130.40	0.985	0.96	0.000	0.608	0.38	1.20	
0.46	16.55	130.48	0.988	130.48	0.988	0.96	0.000	0.608	0.38	1.20	
0.46	16.60	130.56	0.991	130.56	0.991	0.96	0.000	0.608	0.38	1.20	
0.46	16.65	130.64	0.994	130.64	0.994	0.96	0.000	0.608	0.38	1.20	
0.46	16.70	130.72	0.997	130.72	0.997	0.96	0.000	0.608	0.38	1.20	
0.46	16.75	130.80	1.000	130.80	1.000	0.96	0.000	0.608	0.38	1.20	
0.46	16.80	130.88	1.003	130.88	1.003	0.96	0.000	0.608	0.38	1.20	
0.46	16.85	130.96	1.006	130.96	1.006	0.96	0.000	0.608	0.38	1.20	
0.46	16.90	131.04	1.009	131.04	1.009	0.96	0.000	0.608	0.38	1.20	
0.46	16.95	131.12	1.012	131.12	1.012	0.96	0.000	0.608	0.38	1.20	
0.46	17.00	131.20	1.016	131.20	1.016	0.96	0.000	0.608	0.38	1.20	
0.46	17.05	131.28	1.019	131.28	1.019	0.96	0.000	0.608	0.38	1.20	
0.46	17.10	131.36	1.022	131.36	1.022	0.96	0.000	0.608	0.38	1.20	
0.46	17.15	131.44	1.025	131.44	1.025	0.96	0.000	0.608	0.38	1.20	
0.46	17.20	131.52	1.028	131.52	1.028	0.96	0.000	0.608	0.38	1.20	
0.46	17.25	131.60	1.031	131.60	1.031	0.96	0.000	0.608	0.38	1.20	

Liquefy. cal

0.46										
0.46	17.30	131.68	1.034	131.68	1.034	0.96	0.000	0.608	0.38	1.20
0.46	17.35	131.76	1.037	131.76	1.037	0.96	0.000	0.608	0.38	1.20
0.46	17.40	131.84	1.040	131.84	1.040	0.96	0.000	0.608	0.38	1.20
0.46	17.45	131.92	1.044	131.92	1.044	0.96	0.000	0.608	0.38	1.20
0.45	17.50	132.00	1.047	132.00	1.047	0.96	0.000	0.608	0.38	1.20
0.45	17.55	132.08	1.050	132.08	1.050	0.96	0.000	0.608	0.38	1.20
0.45	17.60	132.16	1.053	132.16	1.053	0.96	0.000	0.608	0.38	1.20
0.45	17.65	132.24	1.056	132.24	1.056	0.96	0.000	0.608	0.38	1.20
0.45	17.70	132.32	1.059	132.32	1.059	0.96	0.000	0.608	0.38	1.20
0.45	17.75	132.40	1.062	132.40	1.062	0.96	0.000	0.608	0.38	1.20
0.45	17.80	132.48	1.065	132.48	1.065	0.96	0.000	0.608	0.38	1.20
0.45	17.85	132.56	1.069	132.56	1.069	0.96	0.000	0.608	0.38	1.20
0.45	17.90	132.64	1.072	132.64	1.072	0.96	0.000	0.608	0.38	1.20
0.45	17.95	132.72	1.075	132.72	1.075	0.96	0.000	0.608	0.38	1.20
0.45	18.00	132.80	1.078	132.80	1.078	0.96	0.000	0.608	0.38	1.20
0.45	18.05	132.88	1.081	132.88	1.081	0.96	0.000	0.608	0.38	1.20
0.45	18.10	132.96	1.084	132.96	1.084	0.96	0.000	0.608	0.38	1.20
0.45	18.15	133.04	1.087	133.04	1.087	0.96	0.000	0.608	0.38	1.20
0.45	18.20	133.12	1.091	133.12	1.091	0.96	0.000	0.608	0.38	1.20
0.45	18.25	133.20	1.094	133.20	1.094	0.96	0.000	0.608	0.38	1.20
0.45	18.30	133.28	1.097	133.28	1.097	0.96	0.000	0.608	0.38	1.20
0.45	18.35	133.36	1.100	133.36	1.100	0.96	0.000	0.608	0.38	1.20
0.45	18.40	133.44	1.103	133.44	1.103	0.96	0.000	0.608	0.38	1.20
0.45	18.45	133.52	1.106	133.52	1.106	0.96	0.000	0.608	0.38	1.20
0.45	18.50	133.60	1.109	133.60	1.109	0.96	0.000	0.608	0.38	1.20
0.45	18.55	133.68	1.113	133.68	1.113	0.96	0.000	0.608	0.38	1.20
0.45	18.60	133.76	1.116	133.76	1.116	0.96	0.000	0.608	0.38	1.20
0.45	18.65	133.84	1.119	133.84	1.119	0.96	0.000	0.608	0.38	1.20
0.45	18.70	133.92	1.122	133.92	1.122	0.96	0.000	0.608	0.38	1.20
0.45	18.75	134.00	1.125	134.00	1.125	0.96	0.000	0.608	0.38	1.20
0.45	18.80	134.08	1.128	134.08	1.128	0.96	0.000	0.608	0.38	1.20
0.45										

				Liquefy. cal						
0.45	18.85	134.16	1.132	134.16	1.132	0.96	0.000	0.608	0.38	1.20
0.45	18.90	134.24	1.135	134.24	1.135	0.96	0.000	0.608	0.38	1.20
0.45	18.95	134.32	1.138	134.32	1.138	0.96	0.000	0.608	0.38	1.20
0.45	19.00	134.40	1.141	134.40	1.141	0.96	0.000	0.608	0.38	1.20
0.45	19.05	134.48	1.144	134.48	1.144	0.96	0.000	0.608	0.38	1.20
0.45	19.10	134.56	1.147	134.56	1.147	0.96	0.000	0.608	0.38	1.20
0.45	19.15	134.64	1.151	134.64	1.151	0.96	0.000	0.608	0.38	1.20
0.45	19.20	134.72	1.154	134.72	1.154	0.96	0.000	0.608	0.38	1.20
0.45	19.25	134.80	1.157	134.80	1.157	0.96	0.000	0.608	0.38	1.20
0.45	19.30	134.88	1.160	134.88	1.160	0.96	0.000	0.608	0.38	1.20
0.45	19.35	134.96	1.163	134.96	1.163	0.95	0.000	0.608	0.38	1.20
0.45	19.40	135.04	1.167	135.04	1.167	0.95	0.000	0.608	0.38	1.20
0.45	19.45	135.12	1.170	135.12	1.170	0.95	0.000	0.608	0.38	1.20
0.45	19.50	135.20	1.173	135.20	1.173	0.95	0.000	0.608	0.38	1.20
0.45	19.55	135.28	1.176	135.28	1.176	0.95	0.000	0.608	0.38	1.20
0.45	19.60	135.36	1.179	135.36	1.179	0.95	0.000	0.608	0.38	1.20
0.45	19.65	135.44	1.182	135.44	1.182	0.95	0.000	0.608	0.38	1.20
0.45	19.70	135.52	1.186	135.52	1.186	0.95	0.000	0.608	0.38	1.20
0.45	19.75	135.60	1.189	135.60	1.189	0.95	0.000	0.608	0.38	1.20
0.45	19.80	135.68	1.192	135.68	1.192	0.95	0.000	0.608	0.38	1.20
0.45	19.85	135.76	1.195	135.76	1.195	0.95	0.000	0.608	0.38	1.20
0.45	19.90	135.84	1.199	135.84	1.199	0.95	0.000	0.608	0.38	1.20
0.45	19.95	135.92	1.202	135.92	1.202	0.95	0.000	0.608	0.38	1.20
0.45	20.00	136.00	1.205	136.00	1.205	0.95	0.000	0.608	0.38	1.20
0.45	20.05	135.98	1.208	135.98	1.208	0.95	0.000	0.608	0.38	1.20
0.45	20.10	135.95	1.211	135.95	1.211	0.95	0.000	0.608	0.38	1.20
0.45	20.15	135.93	1.215	135.93	1.215	0.95	0.000	0.608	0.38	1.20
0.45	20.20	135.90	1.218	135.90	1.218	0.95	0.000	0.608	0.38	1.20
0.45	20.25	135.88	1.221	135.88	1.221	0.95	0.000	0.608	0.38	1.20
0.45	20.30	135.85	1.224	135.85	1.224	0.95	0.000	0.608	0.38	1.20
0.45	20.35	135.83	1.227	135.83	1.227	0.95	0.000	0.608	0.38	1.20
0.45	20.40	135.80	1.231	135.80	1.231	0.95	0.000	0.608	0.38	1.20

Li quefy. cal

0.45										
0.45	20.45	135.78	1.234	135.78	1.234	0.95	0.000	0.608	0.38	1.20
0.45	20.50	135.75	1.237	135.75	1.237	0.95	0.000	0.608	0.38	1.20
0.45	20.55	135.73	1.240	135.73	1.240	0.95	0.000	0.608	0.38	1.20
0.45	20.60	135.70	1.243	135.70	1.243	0.95	0.000	0.608	0.38	1.20
0.45	20.65	135.68	1.247	135.68	1.247	0.95	0.000	0.608	0.38	1.20
0.45	20.70	135.65	1.250	135.65	1.250	0.95	0.000	0.608	0.38	1.20
0.45	20.75	135.63	1.253	135.63	1.253	0.95	0.000	0.608	0.38	1.20
0.45	20.80	135.60	1.256	135.60	1.256	0.95	0.000	0.608	0.38	1.20
0.45	20.85	135.58	1.259	135.58	1.259	0.95	0.000	0.608	0.38	1.20
0.45	20.90	135.55	1.263	135.55	1.263	0.95	0.000	0.608	0.38	1.20
0.45	20.95	135.53	1.266	135.53	1.266	0.95	0.000	0.608	0.38	1.20
0.45	21.00	135.50	1.269	135.50	1.269	0.95	0.000	0.608	0.38	1.20
0.45	21.05	135.48	1.272	135.48	1.272	0.95	0.000	0.608	0.38	1.20
0.45	21.10	135.45	1.275	135.45	1.275	0.95	0.000	0.608	0.38	1.20
0.45	21.15	135.43	1.279	135.43	1.279	0.95	0.000	0.608	0.38	1.20
0.45	21.20	135.40	1.282	135.40	1.282	0.95	0.000	0.608	0.38	1.20
0.45	21.25	135.38	1.285	135.38	1.285	0.95	0.000	0.608	0.38	1.20
0.45	21.30	135.35	1.288	135.35	1.288	0.95	0.000	0.608	0.38	1.20
0.45	21.35	135.33	1.291	135.33	1.291	0.95	0.000	0.608	0.38	1.20
0.45	21.40	135.30	1.295	135.30	1.295	0.95	0.000	0.608	0.38	1.20
0.45	21.45	135.28	1.298	135.28	1.298	0.95	0.000	0.608	0.38	1.20
0.45	21.50	135.25	1.301	135.25	1.301	0.95	0.000	0.608	0.38	1.20
0.45	21.55	135.23	1.304	135.23	1.304	0.95	0.000	0.608	0.38	1.20
0.45	21.60	135.20	1.307	135.20	1.307	0.95	0.000	0.608	0.38	1.20
0.45	21.65	135.18	1.311	135.18	1.311	0.95	0.000	0.608	0.38	1.20
0.45	21.70	135.15	1.314	135.15	1.314	0.95	0.000	0.608	0.38	1.20
0.45	21.75	135.13	1.317	135.13	1.317	0.95	0.000	0.608	0.38	1.20
0.45	21.80	135.10	1.320	135.10	1.320	0.95	0.000	0.608	0.38	1.20
0.45	21.85	135.08	1.323	135.08	1.323	0.95	0.000	0.608	0.38	1.20
0.45	21.90	135.05	1.327	135.05	1.327	0.95	0.000	0.608	0.38	1.20
0.45	21.95	135.03	1.330	135.03	1.330	0.95	0.000	0.608	0.37	1.20
0.45										

				Liquefy. cal						
0.45	22.00	135.00	1.333	135.00	1.333	0.95	0.000	0.608	0.37	1.20
0.45	22.05	134.98	1.336	134.98	1.336	0.95	0.000	0.608	0.37	1.20
0.45	22.10	134.95	1.339	134.95	1.339	0.95	0.000	0.608	0.37	1.20
0.45	22.15	134.93	1.343	134.93	1.343	0.95	0.000	0.608	0.37	1.20
0.45	22.20	134.90	1.346	134.90	1.346	0.95	0.000	0.608	0.37	1.20
0.45	22.25	134.88	1.349	134.88	1.349	0.95	0.000	0.608	0.37	1.20
0.45	22.30	134.85	1.352	134.85	1.352	0.95	0.000	0.608	0.37	1.20
0.45	22.35	134.83	1.355	134.83	1.355	0.95	0.000	0.608	0.37	1.20
0.45	22.40	134.80	1.359	134.80	1.359	0.95	0.000	0.608	0.37	1.20
0.45	22.45	134.78	1.362	134.78	1.362	0.95	0.000	0.608	0.37	1.20
0.45	22.50	134.75	1.365	134.75	1.365	0.95	0.000	0.608	0.37	1.20
0.45	22.55	134.73	1.368	134.73	1.368	0.95	0.000	0.608	0.37	1.20
0.45	22.60	134.70	1.371	134.70	1.371	0.95	0.000	0.608	0.37	1.20
0.45	22.65	134.68	1.374	134.68	1.374	0.95	0.000	0.608	0.37	1.20
0.45	22.70	134.65	1.378	134.65	1.378	0.95	0.000	0.608	0.37	1.20
0.45	22.75	134.63	1.381	134.63	1.381	0.95	0.000	0.608	0.37	1.20
0.45	22.80	134.60	1.384	134.60	1.384	0.95	0.000	0.608	0.37	1.20
0.45	22.85	134.58	1.387	134.58	1.387	0.95	0.000	0.608	0.37	1.20
0.45	22.90	134.55	1.390	134.55	1.390	0.95	0.000	0.608	0.37	1.20
0.45	22.95	134.53	1.394	134.53	1.394	0.95	0.000	0.608	0.37	1.20
0.45	23.00	134.50	1.397	134.50	1.397	0.95	0.000	0.608	0.37	1.20
0.45	23.05	134.48	1.400	134.48	1.400	0.95	0.000	0.608	0.37	1.20
0.45	23.10	134.45	1.403	134.45	1.403	0.95	0.000	0.608	0.37	1.20
0.45	23.15	134.43	1.406	134.43	1.406	0.95	0.000	0.608	0.37	1.20
0.45	23.20	134.40	1.409	134.40	1.409	0.95	0.000	0.608	0.37	1.20
0.45	23.25	134.38	1.413	134.38	1.413	0.95	0.000	0.608	0.37	1.20
0.45	23.30	134.35	1.416	134.35	1.416	0.95	0.000	0.608	0.37	1.20
0.45	23.35	134.33	1.419	134.33	1.419	0.95	0.000	0.608	0.37	1.20
0.45	23.40	134.30	1.422	134.30	1.422	0.95	0.000	0.608	0.37	1.20
0.45	23.45	134.28	1.425	134.28	1.425	0.95	0.000	0.608	0.37	1.20
0.45	23.50	134.25	1.428	134.25	1.428	0.95	0.000	0.608	0.37	1.20
0.45	23.55	134.23	1.432	134.23	1.432	0.95	0.000	0.608	0.37	1.20

Li quefy. cal

0.45										
0.45	23.60	134.20	1.435	134.20	1.435	0.94	0.000	0.608	0.37	1.20
0.45	23.65	134.18	1.438	134.18	1.438	0.94	0.000	0.608	0.37	1.20
0.45	23.70	134.15	1.441	134.15	1.441	0.94	0.000	0.608	0.37	1.20
0.45	23.75	134.13	1.444	134.13	1.444	0.94	0.000	0.608	0.37	1.20
0.45	23.80	134.10	1.447	134.10	1.447	0.94	0.000	0.608	0.37	1.20
0.45	23.85	134.08	1.451	134.08	1.451	0.94	0.000	0.608	0.37	1.20
0.45	23.90	134.05	1.454	134.05	1.454	0.94	0.000	0.608	0.37	1.20
0.45	23.95	134.03	1.457	134.03	1.457	0.94	0.000	0.608	0.37	1.20
0.45	24.00	134.00	1.460	134.00	1.460	0.94	0.000	0.608	0.37	1.20
0.45	24.05	133.98	1.463	133.98	1.463	0.94	0.000	0.608	0.37	1.20
0.45	24.10	133.95	1.466	133.95	1.466	0.94	0.000	0.608	0.37	1.20
0.45	24.15	133.93	1.470	133.93	1.470	0.94	0.000	0.608	0.37	1.20
0.45	24.20	133.90	1.473	133.90	1.473	0.94	0.000	0.608	0.37	1.20
0.45	24.25	133.88	1.476	133.88	1.476	0.94	0.000	0.608	0.37	1.20
0.45	24.30	133.85	1.479	133.85	1.479	0.94	0.000	0.608	0.37	1.20
0.45	24.35	133.83	1.482	133.83	1.482	0.94	0.000	0.608	0.37	1.20
0.45	24.40	133.80	1.485	133.80	1.485	0.94	0.000	0.608	0.37	1.20
0.45	24.45	133.78	1.489	133.78	1.489	0.94	0.000	0.608	0.37	1.20
0.45	24.50	133.75	1.492	133.75	1.492	0.94	0.000	0.608	0.37	1.20
0.45	24.55	133.73	1.495	133.73	1.495	0.94	0.000	0.608	0.37	1.20
0.45	24.60	133.70	1.498	133.70	1.498	0.94	0.000	0.608	0.37	1.20
0.45	24.65	133.68	1.501	133.68	1.501	0.94	0.000	0.608	0.37	1.20
0.45	24.70	133.65	1.504	133.65	1.504	0.94	0.000	0.608	0.37	1.20
0.45	24.75	133.63	1.508	133.63	1.508	0.94	0.000	0.608	0.37	1.20
0.45	24.80	133.60	1.511	133.60	1.511	0.94	0.000	0.608	0.37	1.20
0.45	24.85	133.58	1.514	133.58	1.514	0.94	0.000	0.608	0.37	1.20
0.45	24.90	133.55	1.517	133.55	1.517	0.94	0.000	0.608	0.37	1.20
0.45	24.95	133.53	1.520	133.53	1.520	0.94	0.000	0.608	0.37	1.20
0.45	25.00	133.50	1.523	133.50	1.523	0.94	0.000	0.608	0.37	1.20
0.45	25.05	133.48	1.526	133.48	1.526	0.94	0.000	0.608	0.37	1.20
0.45	25.10	133.45	1.530	133.45	1.530	0.94	0.000	0.608	0.37	1.20

				Liquefy. cal						
0.45	25.15	133.43	1.533	133.43	1.533	0.94	0.000	0.608	0.37	1.20
0.45	25.20	133.40	1.536	133.40	1.536	0.94	0.000	0.608	0.37	1.20
0.45	25.25	133.38	1.539	133.38	1.539	0.94	0.000	0.608	0.37	1.20
0.45	25.30	133.35	1.542	133.35	1.542	0.94	0.000	0.608	0.37	1.20
0.45	25.35	133.33	1.545	133.33	1.545	0.94	0.000	0.608	0.37	1.20
0.45	25.40	133.30	1.549	133.30	1.549	0.94	0.000	0.608	0.37	1.20
0.45	25.45	133.28	1.552	133.28	1.552	0.94	0.000	0.608	0.37	1.20
0.45	25.50	133.25	1.555	133.25	1.555	0.94	0.000	0.608	0.37	1.20
0.45	25.55	133.23	1.558	133.23	1.558	0.94	0.000	0.608	0.37	1.20
0.45	25.60	133.20	1.561	133.20	1.561	0.94	0.000	0.608	0.37	1.20
0.45	25.65	133.18	1.564	133.18	1.564	0.94	0.000	0.608	0.37	1.20
0.45	25.70	133.15	1.567	133.15	1.567	0.94	0.000	0.608	0.37	1.20
0.45	25.75	133.13	1.571	133.13	1.571	0.94	0.000	0.608	0.37	1.20
0.45	25.80	133.10	1.574	133.10	1.574	0.94	0.000	0.608	0.37	1.20
0.45	25.85	133.08	1.577	133.08	1.577	0.94	0.000	0.608	0.37	1.20
0.45	25.90	133.05	1.580	133.05	1.580	0.94	0.000	0.608	0.37	1.20
0.45	25.95	133.03	1.583	133.03	1.583	0.94	0.000	0.608	0.37	1.20
0.45	26.00	133.00	1.586	133.00	1.586	0.94	0.000	0.608	0.37	1.20
0.45	26.05	132.98	1.589	132.98	1.589	0.94	0.000	0.608	0.37	1.20
0.45	26.10	132.95	1.593	132.95	1.593	0.94	0.000	0.608	0.37	1.20
0.45	26.15	132.93	1.596	132.93	1.596	0.94	0.000	0.608	0.37	1.20
0.45	26.20	132.90	1.599	132.90	1.599	0.94	0.000	0.608	0.37	1.20
0.45	26.25	132.88	1.602	132.88	1.602	0.94	0.000	0.608	0.37	1.20
0.45	26.30	132.85	1.605	132.85	1.605	0.94	0.000	0.608	0.37	1.20
0.45	26.35	132.83	1.608	132.83	1.608	0.94	0.000	0.608	0.37	1.20
0.45	26.40	132.80	1.611	132.80	1.611	0.94	0.000	0.608	0.37	1.20
0.44	26.45	132.78	1.615	132.78	1.615	0.94	0.000	0.608	0.37	1.20
0.44	26.50	132.75	1.618	132.75	1.618	0.94	0.000	0.608	0.37	1.20
0.44	26.55	132.73	1.621	132.73	1.621	0.94	0.000	0.608	0.37	1.20
0.44	26.60	132.70	1.624	132.70	1.624	0.94	0.000	0.608	0.37	1.20
0.44	26.65	132.68	1.627	132.68	1.627	0.94	0.000	0.608	0.37	1.20
0.44	26.70	132.65	1.630	132.65	1.630	0.94	0.000	0.608	0.37	1.20

Li quefy. cal

0.44										
0.44	26.75	132.63	1.633	132.63	1.633	0.94	0.000	0.608	0.37	1.20
0.44	26.80	132.60	1.637	132.60	1.637	0.94	0.000	0.608	0.37	1.20
0.44	26.85	132.58	1.640	132.58	1.640	0.94	0.000	0.608	0.37	1.20
0.44	26.90	132.55	1.643	132.55	1.643	0.94	0.000	0.608	0.37	1.20
0.44	26.95	132.53	1.646	132.53	1.646	0.94	0.000	0.608	0.37	1.20
0.44	27.00	132.50	1.649	132.50	1.649	0.94	0.000	0.608	0.37	1.20
0.44	27.05	132.48	1.652	132.48	1.652	0.94	0.000	0.608	0.37	1.20
0.44	27.10	132.45	1.655	132.45	1.655	0.94	0.000	0.608	0.37	1.20
0.44	27.15	132.43	1.658	132.43	1.658	0.94	0.000	0.608	0.37	1.20
0.44	27.20	132.40	1.662	132.40	1.662	0.94	0.000	0.608	0.37	1.20
0.44	27.25	132.38	1.665	132.38	1.665	0.94	0.000	0.608	0.37	1.20
0.44	27.30	132.35	1.668	132.35	1.668	0.94	0.000	0.608	0.37	1.20
0.44	27.35	132.33	1.671	132.33	1.671	0.94	0.000	0.608	0.37	1.20
0.44	27.40	132.30	1.674	132.30	1.674	0.94	0.000	0.608	0.37	1.20
0.44	27.45	132.28	1.677	132.28	1.677	0.94	0.000	0.608	0.37	1.20
0.44	27.50	132.25	1.680	132.25	1.680	0.94	0.000	0.608	0.37	1.20
0.44	27.55	132.23	1.683	132.23	1.683	0.94	0.000	0.608	0.37	1.20
0.44	27.60	132.20	1.687	132.20	1.687	0.94	0.000	0.608	0.37	1.20
0.44	27.65	132.18	1.690	132.18	1.690	0.94	0.000	0.608	0.37	1.20
0.44	27.70	132.15	1.693	132.15	1.693	0.94	0.000	0.608	0.37	1.20
0.44	27.75	132.13	1.696	132.13	1.696	0.94	0.000	0.608	0.37	1.20
0.44	27.80	132.10	1.699	132.10	1.699	0.94	0.000	0.608	0.37	1.20
0.44	27.85	132.08	1.702	132.08	1.702	0.94	0.000	0.608	0.37	1.20
0.44	27.90	132.05	1.705	132.05	1.705	0.93	0.000	0.608	0.37	1.20
0.44	27.95	132.03	1.708	132.03	1.708	0.93	0.000	0.608	0.37	1.20
0.44	28.00	132.00	1.712	132.00	1.712	0.93	0.000	0.608	0.37	1.20
0.44	28.05	131.98	1.715	131.98	1.715	0.93	0.000	0.608	0.37	1.20
0.44	28.10	131.95	1.718	131.95	1.718	0.93	0.000	0.608	0.37	1.20
0.44	28.15	131.93	1.721	131.93	1.721	0.93	0.000	0.608	0.37	1.20
0.44	28.20	131.90	1.724	131.90	1.724	0.93	0.000	0.608	0.37	1.20
0.44	28.25	131.88	1.727	131.88	1.727	0.93	0.000	0.608	0.37	1.20
0.44										

				Liquefy. cal							
0.44	28.30	131.85	1.730	131.85	1.730	0.93	0.000	0.608	0.37	1.20	
0.44	28.35	131.83	1.733	131.83	1.733	0.93	0.000	0.608	0.37	1.20	
0.44	28.40	131.80	1.736	131.80	1.736	0.93	0.000	0.608	0.37	1.20	
0.44	28.45	131.78	1.740	131.78	1.740	0.93	0.000	0.608	0.37	1.20	
0.44	28.50	131.75	1.743	131.75	1.743	0.93	0.000	0.608	0.37	1.20	
0.44	28.55	131.73	1.746	131.73	1.746	0.93	0.000	0.608	0.37	1.20	
0.44	28.60	131.70	1.749	131.70	1.749	0.93	0.000	0.608	0.37	1.20	
0.44	28.65	131.68	1.752	131.68	1.752	0.93	0.000	0.608	0.37	1.20	
0.44	28.70	131.65	1.755	131.65	1.755	0.93	0.000	0.608	0.37	1.20	
0.44	28.75	131.63	1.758	131.63	1.758	0.93	0.000	0.608	0.37	1.20	
0.44	28.80	131.60	1.761	131.60	1.761	0.93	0.000	0.608	0.37	1.20	
0.44	28.85	131.58	1.764	131.58	1.764	0.93	0.000	0.608	0.37	1.20	
0.44	28.90	131.55	1.768	131.55	1.768	0.93	0.000	0.608	0.37	1.20	
0.44	28.95	131.53	1.771	131.53	1.771	0.93	0.000	0.608	0.37	1.20	
0.44	29.00	131.50	1.774	131.50	1.774	0.93	0.000	0.608	0.37	1.20	
0.44	29.05	131.48	1.777	131.48	1.777	0.93	0.000	0.608	0.37	1.20	
0.44	29.10	131.45	1.780	131.45	1.780	0.93	0.000	0.608	0.37	1.20	
0.44	29.15	131.43	1.783	131.43	1.783	0.93	0.000	0.608	0.37	1.20	
0.44	29.20	131.40	1.786	131.40	1.786	0.93	0.000	0.608	0.37	1.20	
0.44	29.25	131.38	1.789	131.38	1.789	0.93	0.000	0.608	0.37	1.20	
0.44	29.30	131.35	1.792	131.35	1.792	0.93	0.000	0.608	0.37	1.20	
0.44	29.35	131.33	1.796	131.33	1.796	0.93	0.000	0.608	0.37	1.20	
0.44	29.40	131.30	1.799	131.30	1.799	0.93	0.000	0.608	0.37	1.20	
0.44	29.45	131.28	1.802	131.28	1.802	0.93	0.000	0.608	0.37	1.20	
0.44	29.50	131.25	1.805	131.25	1.805	0.93	0.000	0.608	0.37	1.20	
0.44	29.55	131.23	1.808	131.23	1.808	0.93	0.000	0.608	0.37	1.20	
0.44	29.60	131.20	1.811	131.20	1.811	0.93	0.000	0.608	0.37	1.20	
0.44	29.65	131.18	1.814	131.18	1.814	0.93	0.000	0.608	0.37	1.20	
0.44	29.70	131.15	1.817	131.15	1.817	0.93	0.000	0.608	0.37	1.20	
0.44	29.75	131.13	1.820	131.13	1.820	0.93	0.000	0.608	0.37	1.20	
0.44	29.80	131.10	1.823	131.10	1.823	0.93	0.000	0.608	0.37	1.20	
0.44	29.85	131.08	1.827	131.08	1.827	0.93	0.000	0.608	0.37	1.20	

Liquefy. cal

0.44	29.90	131.05	1.830	131.05	1.830	0.93	0.000	0.608	0.37	1.20
0.44	29.95	131.03	1.833	131.03	1.833	0.93	0.000	0.608	0.37	1.20
0.44	30.00	131.00	1.836	131.00	1.836	0.93	0.000	0.608	0.37	1.20

CSR is based on water table at 30.00 during earthquake

(N1)60f	CRR Depth CRR7.5 ft	Calcu lation SPT	from Ceb S	SPT or Cr	BPT data: sigma' atm	Cn	(N1)60	Fi nes %	d(N1)60
125.97	0.00	45.00	2.07	0.75	0.000	1.70	118.77	36.00	7.20
	0.50								
	0.05	44.75	2.07	0.75	0.003	1.70	118.11	36.00	7.20
125.31	0.50	44.50	2.07	0.75	0.006	1.70	117.45	36.00	7.20
	0.10								
124.65	0.50	44.25	2.07	0.75	0.009	1.70	116.79	36.00	7.20
	0.15								
123.99	0.50	44.00	2.07	0.75	0.012	1.70	116.13	36.00	7.20
	0.20								
123.33	0.50	43.75	2.07	0.75	0.015	1.70	115.47	36.00	7.20
	0.25								
122.67	0.50	43.50	2.07	0.75	0.018	1.70	114.81	36.00	7.20
	0.30								
122.01	0.50	43.25	2.07	0.75	0.022	1.70	114.15	36.00	7.20
	0.35								
121.35	0.50	43.00	2.07	0.75	0.025	1.70	113.49	36.00	7.20
	0.40								
120.69	0.50	42.75	2.07	0.75	0.028	1.70	112.83	36.00	7.20
	0.45								
120.03	0.50	42.50	2.07	0.75	0.031	1.70	112.17	36.00	7.20
	0.50								
119.37	0.50	42.25	2.07	0.75	0.034	1.70	111.51	36.00	7.20
	0.55								
118.71	0.50	42.00	2.07	0.75	0.037	1.70	110.85	36.00	7.20
	0.60								
118.05	0.50	41.75	2.07	0.75	0.040	1.70	110.19	36.00	7.20
	0.65								
117.39	0.50	41.50	2.07	0.75	0.043	1.70	109.53	36.00	7.20
	0.70								
116.73	0.50	41.25	2.07	0.75	0.046	1.70	108.87	36.00	7.20
	0.75								
116.07	0.50	41.00	2.07	0.75	0.049	1.70	108.21	36.00	7.20
	0.80								
115.41	0.50	40.75	2.07	0.75	0.052	1.70	107.55	36.00	7.20
	0.85								
114.75	0.50	40.50	2.07	0.75	0.055	1.70	106.89	36.00	7.20
	0.90								
114.09	0.50	40.25	2.07	0.75	0.058	1.70	106.23	36.00	7.20
	0.95								
113.43	0.50	40.00	2.07	0.75	0.061	1.70	105.57	36.00	7.20
	1.00								
112.77	0.50	39.75	2.07	0.75	0.064	1.70	104.91	36.00	7.20
	1.05								
112.11	0.50								

					Li quefy. cal					
111.45	1.10	39.50	2.07	0.75	0.068	1.70	104.25	36.00	7.20	
	0.50									
110.79	1.15	39.25	2.07	0.75	0.071	1.70	103.59	36.00	7.20	
	0.50									
110.13	1.20	39.00	2.07	0.75	0.074	1.70	102.93	36.00	7.20	
	0.50									
109.47	1.25	38.75	2.07	0.75	0.077	1.70	102.27	36.00	7.20	
	0.50									
108.81	1.30	38.50	2.07	0.75	0.080	1.70	101.61	36.00	7.20	
	0.50									
108.15	1.35	38.25	2.07	0.75	0.083	1.70	100.95	36.00	7.20	
	0.50									
107.49	1.40	38.00	2.07	0.75	0.086	1.70	100.29	36.00	7.20	
	0.50									
106.83	1.45	37.75	2.07	0.75	0.089	1.70	99.63	36.00	7.20	
	0.50									
106.17	1.50	37.50	2.07	0.75	0.092	1.70	98.97	36.00	7.20	
	0.50									
105.51	1.55	37.25	2.07	0.75	0.095	1.70	98.31	36.00	7.20	
	0.50									
104.85	1.60	37.00	2.07	0.75	0.098	1.70	97.65	36.00	7.20	
	0.50									
104.19	1.65	36.75	2.07	0.75	0.101	1.70	96.99	36.00	7.20	
	0.50									
103.53	1.70	36.50	2.07	0.75	0.104	1.70	96.33	36.00	7.20	
	0.50									
102.87	1.75	36.25	2.07	0.75	0.107	1.70	95.67	36.00	7.20	
	0.50									
102.21	1.80	36.00	2.07	0.75	0.110	1.70	95.01	36.00	7.20	
	0.50									
101.55	1.85	35.75	2.07	0.75	0.113	1.70	94.35	36.00	7.20	
	0.50									
100.89	1.90	35.50	2.07	0.75	0.117	1.70	93.69	36.00	7.20	
	0.50									
100.23	1.95	35.25	2.07	0.75	0.120	1.70	93.03	36.00	7.20	
	0.50									
99.57	2.00	35.00	2.07	0.75	0.123	1.70	92.37	36.00	7.20	
	0.50									
98.91	2.05	34.75	2.07	0.75	0.126	1.70	91.71	36.00	7.20	
	0.50									
98.25	2.10	34.50	2.07	0.75	0.129	1.70	91.05	36.00	7.20	
	0.50									
97.59	2.15	34.25	2.07	0.75	0.132	1.70	90.39	36.00	7.20	
	0.50									
96.93	2.20	34.00	2.07	0.75	0.135	1.70	89.73	36.00	7.20	
	0.50									
96.27	2.25	33.75	2.07	0.75	0.138	1.70	89.07	36.00	7.20	
	0.50									
95.61	2.30	33.50	2.07	0.75	0.141	1.70	88.41	36.00	7.20	
	0.50									
94.96	2.35	33.25	2.07	0.75	0.144	1.70	87.76	36.00	7.20	
	0.50									
94.30	2.40	33.00	2.07	0.75	0.147	1.70	87.10	36.00	7.20	
	0.50									
93.64	2.45	32.75	2.07	0.75	0.150	1.70	86.44	36.00	7.20	
	0.50									
92.98	2.50	32.50	2.07	0.75	0.153	1.70	85.78	36.00	7.20	
	0.50									
92.32	2.55	32.25	2.07	0.75	0.156	1.70	85.12	36.00	7.20	
	0.50									
91.66	2.60	32.00	2.07	0.75	0.159	1.70	84.46	36.00	7.20	
	0.50									
	2.65	31.75	2.07	0.75	0.162	1.70	83.80	36.00	7.20	

Li quefy. cal

91.00	0.50									
	2.70	31.50	2.07	0.75	0.166	1.70	83.14	36.00	7.20	
90.34	0.50									
	2.75	31.25	2.07	0.75	0.169	1.70	82.48	36.00	7.20	
89.68	0.50									
	2.80	31.00	2.07	0.75	0.172	1.70	81.82	36.00	7.20	
89.02	0.50									
	2.85	30.75	2.07	0.75	0.175	1.70	81.16	36.00	7.20	
88.36	0.50									
	2.90	30.50	2.07	0.75	0.178	1.70	80.50	36.00	7.20	
87.70	0.50									
	2.95	30.25	2.07	0.75	0.181	1.70	79.84	36.00	7.20	
87.04	0.50									
	3.00	30.00	2.07	0.75	0.184	1.70	79.18	36.00	7.20	
86.38	0.50									
	3.05	29.75	2.07	0.75	0.187	1.70	78.52	36.00	7.20	
85.72	0.50									
	3.10	29.50	2.07	0.75	0.190	1.70	77.86	36.00	7.20	
85.06	0.50									
	3.15	29.25	2.07	0.75	0.193	1.70	77.20	36.00	7.20	
84.40	0.50									
	3.20	29.00	2.07	0.75	0.196	1.70	76.54	36.00	7.20	
83.74	0.50									
	3.25	28.75	2.07	0.75	0.199	1.70	75.88	36.00	7.20	
83.08	0.50									
	3.30	28.50	2.07	0.75	0.202	1.70	75.22	36.00	7.20	
82.42	0.50									
	3.35	28.25	2.07	0.75	0.205	1.70	74.56	36.00	7.20	
81.76	0.50									
	3.40	28.00	2.07	0.75	0.208	1.70	73.90	36.00	7.20	
81.10	0.50									
	3.45	27.75	2.07	0.75	0.211	1.70	73.24	36.00	7.20	
80.44	0.50									
	3.50	27.50	2.07	0.75	0.214	1.70	72.58	36.00	7.20	
79.78	0.50									
	3.55	27.25	2.07	0.75	0.218	1.70	71.92	36.00	7.20	
79.12	0.50									
	3.60	27.00	2.07	0.75	0.221	1.70	71.26	36.00	7.20	
78.46	0.50									
	3.65	26.75	2.07	0.75	0.224	1.70	70.60	36.00	7.20	
77.80	0.50									
	3.70	26.50	2.07	0.75	0.227	1.70	69.94	36.00	7.20	
77.14	0.50									
	3.75	26.25	2.07	0.75	0.230	1.70	69.28	36.00	7.20	
76.48	0.50									
	3.80	26.00	2.07	0.75	0.233	1.70	68.62	36.00	7.20	
75.82	0.50									
	3.85	25.75	2.07	0.75	0.236	1.70	67.96	36.00	7.20	
75.16	0.50									
	3.90	25.50	2.07	0.75	0.239	1.70	67.30	36.00	7.20	
74.50	0.50									
	3.95	25.25	2.07	0.75	0.242	1.70	66.64	36.00	7.20	
73.84	0.50									
	4.00	25.00	2.07	0.75	0.245	1.70	65.98	36.00	7.20	
73.18	0.50									
	4.05	24.75	2.07	0.75	0.248	1.70	65.32	36.00	7.20	
72.52	0.50									
	4.10	24.50	2.07	0.75	0.251	1.70	64.66	36.00	7.20	
71.86	0.50									
	4.15	24.25	2.07	0.75	0.254	1.70	64.00	36.00	7.20	
71.20	0.50									
	4.20	24.00	2.07	0.75	0.257	1.70	63.34	36.00	7.20	
70.54	0.50									

Li quefy. cal

69.88	4.25 0.50	23.75	2.07	0.75	0.260	1.70	62.68	36.00	7.20
69.22	4.30 0.50	23.50	2.07	0.75	0.263	1.70	62.02	36.00	7.20
68.56	4.35 0.50	23.25	2.07	0.75	0.266	1.70	61.36	36.00	7.20
67.90	4.40 0.50	23.00	2.07	0.75	0.269	1.70	60.70	36.00	7.20
67.24	4.45 0.50	22.75	2.07	0.75	0.272	1.70	60.04	36.00	7.20
66.58	4.50 0.50	22.50	2.07	0.75	0.276	1.70	59.38	36.00	7.20
65.92	4.55 0.50	22.25	2.07	0.75	0.279	1.70	58.72	36.00	7.20
65.26	4.60 0.50	22.00	2.07	0.75	0.282	1.70	58.06	36.00	7.20
64.60	4.65 0.50	21.75	2.07	0.75	0.285	1.70	57.40	36.00	7.20
63.94	4.70 0.50	21.50	2.07	0.75	0.288	1.70	56.74	36.00	7.20
63.28	4.75 0.50	21.25	2.07	0.75	0.291	1.70	56.08	36.00	7.20
62.62	4.80 0.50	21.00	2.07	0.75	0.294	1.70	55.42	36.00	7.20
61.96	4.85 0.50	20.75	2.07	0.75	0.297	1.70	54.76	36.00	7.20
61.30	4.90 0.50	20.50	2.07	0.75	0.300	1.70	54.10	36.00	7.20
60.64	4.95 0.50	20.25	2.07	0.75	0.303	1.70	53.44	36.00	7.20
59.99	5.00 0.50	20.00	2.07	0.75	0.306	1.70	52.79	36.00	7.20
60.54	5.05 0.50	20.21	2.07	0.75	0.309	1.70	53.34	35.88	7.20
61.09	5.10 0.50	20.42	2.07	0.75	0.312	1.70	53.89	35.76	7.20
61.65	5.15 0.50	20.63	2.07	0.75	0.315	1.70	54.45	35.64	7.20
62.20	5.20 0.50	20.84	2.07	0.75	0.318	1.70	55.00	35.52	7.20
62.76	5.25 0.50	21.05	2.07	0.75	0.321	1.70	55.56	35.40	7.20
63.31	5.30 0.50	21.26	2.07	0.75	0.324	1.70	56.11	35.28	7.20
63.86	5.35 0.50	21.47	2.07	0.75	0.327	1.70	56.66	35.16	7.20
64.42	5.40 0.50	21.68	2.07	0.75	0.330	1.70	57.22	35.04	7.20
64.95	5.45 0.50	21.89	2.07	0.75	0.333	1.70	57.77	34.92	7.18
65.48	5.50 0.50	22.10	2.07	0.75	0.336	1.70	58.33	34.80	7.15
66.00	5.55 0.50	22.31	2.07	0.75	0.339	1.70	58.88	34.68	7.12
66.53	5.60 0.50	22.52	2.07	0.75	0.342	1.70	59.44	34.56	7.09
67.06	5.65 0.50	22.73	2.07	0.75	0.345	1.70	59.99	34.44	7.07
67.37	5.70 0.50	22.94	2.07	0.75	0.348	1.69	60.33	34.32	7.04
67.63	5.75 0.50	23.15	2.07	0.75	0.351	1.69	60.62	34.20	7.01
	5.80	23.36	2.07	0.75	0.355	1.68	60.91	34.08	6.98

Li quefy. cal

67. 89	0. 50									
	5. 85	23. 57	2. 07	0. 75	0. 358	1. 67	61. 20	33. 96	6. 95	
68. 15	0. 50									
	5. 90	23. 78	2. 07	0. 75	0. 361	1. 67	61. 49	33. 84	6. 92	
68. 41	0. 50									
	5. 95	23. 99	2. 07	0. 75	0. 364	1. 66	61. 77	33. 72	6. 89	
68. 66	0. 50									
	6. 00	24. 20	2. 07	0. 75	0. 367	1. 65	62. 06	33. 60	6. 86	
68. 92	0. 50									
	6. 05	24. 41	2. 07	0. 75	0. 370	1. 64	62. 34	33. 48	6. 84	
69. 17	0. 50									
	6. 10	24. 62	2. 07	0. 75	0. 373	1. 64	62. 62	33. 36	6. 81	
69. 43	0. 50									
	6. 15	24. 83	2. 07	0. 75	0. 376	1. 63	62. 90	33. 24	6. 78	
69. 68	0. 50									
	6. 20	25. 04	2. 07	0. 75	0. 379	1. 63	63. 18	33. 12	6. 75	
69. 93	0. 50									
	6. 25	25. 25	2. 07	0. 75	0. 382	1. 62	63. 46	33. 00	6. 72	
70. 18	0. 50									
	6. 30	25. 46	2. 07	0. 75	0. 385	1. 61	63. 74	32. 88	6. 69	
70. 43	0. 50									
	6. 35	25. 67	2. 07	0. 75	0. 388	1. 61	64. 02	32. 76	6. 66	
70. 68	0. 50									
	6. 40	25. 88	2. 07	0. 75	0. 391	1. 60	64. 29	32. 64	6. 63	
70. 93	0. 50									
	6. 45	26. 09	2. 07	0. 75	0. 394	1. 59	64. 57	32. 52	6. 60	
71. 17	0. 50									
	6. 50	26. 30	2. 07	0. 75	0. 397	1. 59	64. 84	32. 40	6. 58	
71. 42	0. 50									
	6. 55	26. 51	2. 07	0. 75	0. 399	1. 58	65. 12	32. 28	6. 55	
71. 66	0. 50									
	6. 60	26. 72	2. 07	0. 75	0. 402	1. 58	65. 39	32. 16	6. 52	
71. 91	0. 50									
	6. 65	26. 93	2. 07	0. 75	0. 405	1. 57	65. 66	32. 04	6. 49	
72. 15	0. 50									
	6. 70	27. 14	2. 07	0. 75	0. 408	1. 56	65. 93	31. 92	6. 46	
72. 39	0. 50									
	6. 75	27. 35	2. 07	0. 75	0. 411	1. 56	66. 20	31. 80	6. 43	
72. 63	0. 50									
	6. 80	27. 56	2. 07	0. 75	0. 414	1. 55	66. 47	31. 68	6. 40	
72. 87	0. 50									
	6. 85	27. 77	2. 07	0. 75	0. 417	1. 55	66. 74	31. 56	6. 37	
73. 11	0. 50									
	6. 90	27. 98	2. 07	0. 75	0. 420	1. 54	67. 00	31. 44	6. 35	
73. 35	0. 50									
	6. 95	28. 19	2. 07	0. 75	0. 423	1. 54	67. 27	31. 32	6. 32	
73. 58	0. 50									
	7. 00	28. 40	2. 07	0. 75	0. 426	1. 53	67. 53	31. 20	6. 29	
73. 82	0. 50									
	7. 05	28. 61	2. 07	0. 75	0. 429	1. 53	67. 80	31. 08	6. 26	
74. 06	0. 50									
	7. 10	28. 82	2. 07	0. 75	0. 432	1. 52	68. 06	30. 96	6. 23	
74. 29	0. 50									
	7. 15	29. 03	2. 07	0. 75	0. 435	1. 52	68. 32	30. 84	6. 20	
74. 52	0. 50									
	7. 20	29. 24	2. 07	0. 75	0. 438	1. 51	68. 58	30. 72	6. 17	
74. 76	0. 50									
	7. 25	29. 45	2. 07	0. 75	0. 441	1. 51	68. 85	30. 60	6. 14	
74. 99	0. 50									
	7. 30	29. 66	2. 07	0. 75	0. 444	1. 50	69. 11	30. 48	6. 12	
75. 22	0. 50									
	7. 35	29. 87	2. 07	0. 75	0. 447	1. 50	69. 36	30. 36	6. 09	
75. 45	0. 50									

Liquefy. cal

75.68	7.40 0.50	30.08	2.07	0.75	0.450	1.49	69.62	30.24	6.06
75.91	7.45 0.50	30.29	2.07	0.75	0.453	1.49	69.88	30.12	6.03
76.14	7.50 0.50	30.50	2.07	0.75	0.456	1.48	70.14	30.00	6.00
76.37	7.55 0.50	30.71	2.07	0.75	0.459	1.48	70.39	29.88	5.97
76.59	7.60 0.50	30.92	2.07	0.75	0.462	1.47	70.65	29.76	5.94
76.82	7.65 0.50	31.13	2.07	0.75	0.465	1.47	70.90	29.64	5.91
77.04	7.70 0.50	31.34	2.07	0.75	0.468	1.46	71.16	29.52	5.88
77.27	7.75 0.50	31.55	2.07	0.75	0.470	1.46	71.41	29.40	5.86
77.49	7.80 0.50	31.76	2.07	0.75	0.473	1.45	71.66	29.28	5.83
77.71	7.85 0.50	31.97	2.07	0.75	0.476	1.45	71.92	29.16	5.80
77.94	7.90 0.50	32.18	2.07	0.75	0.479	1.44	72.17	29.04	5.77
78.16	7.95 0.50	32.39	2.07	0.75	0.482	1.44	72.42	28.92	5.74
78.38	8.00 0.50	32.60	2.07	0.75	0.485	1.44	72.67	28.80	5.71
78.60	8.05 0.50	32.81	2.07	0.75	0.488	1.43	72.92	28.68	5.68
78.82	8.10 0.50	33.02	2.07	0.75	0.491	1.43	73.16	28.56	5.65
79.04	8.15 0.50	33.23	2.07	0.75	0.494	1.42	73.41	28.44	5.63
79.25	8.20 0.50	33.44	2.07	0.75	0.497	1.42	73.66	28.32	5.60
89.33	8.25 0.50	33.65	2.07	0.85	0.500	1.41	83.76	28.20	5.57
89.58	8.30 0.50	33.86	2.07	0.85	0.503	1.41	84.04	28.08	5.54
89.82	8.35 0.50	34.07	2.07	0.85	0.506	1.41	84.31	27.96	5.51
90.07	8.40 0.50	34.28	2.07	0.85	0.508	1.40	84.59	27.84	5.48
90.32	8.45 0.50	34.49	2.07	0.85	0.511	1.40	84.87	27.72	5.45
90.57	8.50 0.50	34.70	2.07	0.85	0.514	1.39	85.14	27.60	5.42
90.81	8.55 0.50	34.91	2.07	0.85	0.517	1.39	85.42	27.48	5.40
91.06	8.60 0.50	35.12	2.07	0.85	0.520	1.39	85.69	27.36	5.37
91.30	8.65 0.50	35.33	2.07	0.85	0.523	1.38	85.97	27.24	5.34
91.55	8.70 0.50	35.54	2.07	0.85	0.526	1.38	86.24	27.12	5.31
91.79	8.75 0.50	35.75	2.07	0.85	0.529	1.38	86.51	27.00	5.28
92.03	8.80 0.50	35.96	2.07	0.85	0.532	1.37	86.78	26.88	5.25
92.27	8.85 0.50	36.17	2.07	0.85	0.534	1.37	87.05	26.76	5.22
92.52	8.90 0.50	36.38	2.07	0.85	0.537	1.36	87.32	26.64	5.19
	8.95	36.59	2.07	0.85	0.540	1.36	87.59	26.52	5.16

Li quefy. cal

92.76	0.50									
	9.00	36.80	2.07	0.85	0.543	1.36	87.86	26.40	5.14	
93.00	0.50									
	9.05	37.01	2.07	0.85	0.546	1.35	88.13	26.28	5.11	
93.24	0.50									
	9.10	37.22	2.07	0.85	0.549	1.35	88.40	26.16	5.08	
93.47	0.50									
	9.15	37.43	2.07	0.85	0.552	1.35	88.66	26.04	5.05	
93.71	0.50									
	9.20	37.64	2.07	0.85	0.555	1.34	88.93	25.92	5.02	
93.95	0.50									
	9.25	37.85	2.07	0.85	0.557	1.34	89.20	25.80	4.99	
94.19	0.50									
	9.30	38.06	2.07	0.85	0.560	1.34	89.46	25.68	4.96	
94.42	0.50									
	9.35	38.27	2.07	0.85	0.563	1.33	89.73	25.56	4.93	
94.66	0.50									
	9.40	38.48	2.07	0.85	0.566	1.33	89.99	25.44	4.91	
94.89	0.50									
	9.45	38.69	2.07	0.85	0.569	1.33	90.25	25.32	4.88	
95.13	0.50									
	9.50	38.90	2.07	0.85	0.572	1.32	90.52	25.20	4.85	
95.36	0.50									
	9.55	39.11	2.07	0.85	0.575	1.32	90.78	25.08	4.82	
95.60	0.50									
	9.60	39.32	2.07	0.85	0.578	1.32	91.04	24.96	4.79	
95.83	0.50									
	9.65	39.53	2.07	0.85	0.580	1.31	91.30	24.84	4.76	
96.06	0.50									
	9.70	39.74	2.07	0.85	0.583	1.31	91.56	24.72	4.73	
96.29	0.50									
	9.75	39.95	2.07	0.85	0.586	1.31	91.82	24.60	4.70	
96.52	0.50									
	9.80	40.16	2.07	0.85	0.589	1.30	92.08	24.48	4.68	
96.75	0.50									
	9.85	40.37	2.07	0.85	0.592	1.30	92.34	24.36	4.65	
96.98	0.50									
	9.90	40.58	2.07	0.85	0.595	1.30	92.60	24.24	4.62	
97.21	0.50									
	9.95	40.79	2.07	0.85	0.597	1.29	92.85	24.12	4.59	
97.44	0.50									
	10.00	41.00	2.07	0.85	0.600	1.29	93.11	24.00	4.56	
97.67	0.50									
	10.05	41.04	2.07	0.85	0.603	1.29	92.97	24.16	4.60	
97.57	0.50									
	10.10	41.07	2.07	0.85	0.606	1.28	92.83	24.32	4.64	
97.47	0.50									
	10.15	41.11	2.07	0.85	0.609	1.28	92.70	24.48	4.68	
97.37	0.50									
	10.20	41.14	2.07	0.85	0.612	1.28	92.56	24.64	4.71	
97.27	0.50									
	10.25	41.18	2.07	0.85	0.614	1.28	92.42	24.80	4.75	
97.17	0.50									
	10.30	41.21	2.07	0.85	0.617	1.27	92.29	24.96	4.79	
97.08	0.50									
	10.35	41.25	2.07	0.85	0.620	1.27	92.15	25.12	4.83	
96.98	0.50									
	10.40	41.28	2.07	0.85	0.623	1.27	92.02	25.28	4.87	
96.89	0.50									
	10.45	41.32	2.07	0.85	0.626	1.26	91.89	25.44	4.91	
96.79	0.50									
	10.50	41.35	2.07	0.85	0.629	1.26	91.76	25.60	4.94	
96.70	0.50									

Li quefy. cal

96. 61	10. 55 0. 50	41. 39	2. 07	0. 85	0. 632	1. 26	91. 63	25. 76	4. 98
96. 52	10. 60 0. 50	41. 42	2. 07	0. 85	0. 634	1. 26	91. 50	25. 92	5. 02
96. 43	10. 65 0. 50	41. 46	2. 07	0. 85	0. 637	1. 25	91. 37	26. 08	5. 06
96. 34	10. 70 0. 50	41. 49	2. 07	0. 85	0. 640	1. 25	91. 24	26. 24	5. 10
96. 25	10. 75 0. 50	41. 53	2. 07	0. 85	0. 643	1. 25	91. 12	26. 40	5. 14
96. 17	10. 80 0. 50	41. 56	2. 07	0. 85	0. 646	1. 24	90. 99	26. 56	5. 17
96. 08	10. 85 0. 50	41. 60	2. 07	0. 85	0. 649	1. 24	90. 87	26. 72	5. 21
95. 99	10. 90 0. 50	41. 63	2. 07	0. 85	0. 652	1. 24	90. 74	26. 88	5. 25
95. 91	10. 95 0. 50	41. 67	2. 07	0. 85	0. 654	1. 24	90. 62	27. 04	5. 29
95. 83	11. 00 0. 50	41. 70	2. 07	0. 85	0. 657	1. 23	90. 50	27. 20	5. 33
95. 74	11. 05 0. 50	41. 74	2. 07	0. 85	0. 660	1. 23	90. 38	27. 36	5. 37
95. 66	11. 10 0. 50	41. 77	2. 07	0. 85	0. 663	1. 23	90. 26	27. 52	5. 40
95. 58	11. 15 0. 50	41. 81	2. 07	0. 85	0. 666	1. 23	90. 14	27. 68	5. 44
95. 50	11. 20 0. 50	41. 84	2. 07	0. 85	0. 669	1. 22	90. 02	27. 84	5. 48
95. 42	11. 25 0. 50	41. 88	2. 07	0. 85	0. 672	1. 22	89. 90	28. 00	5. 52
95. 34	11. 30 0. 50	41. 91	2. 07	0. 85	0. 675	1. 22	89. 78	28. 16	5. 56
95. 26	11. 35 0. 50	41. 95	2. 07	0. 85	0. 677	1. 21	89. 66	28. 32	5. 60
95. 18	11. 40 0. 50	41. 98	2. 07	0. 85	0. 680	1. 21	89. 55	28. 48	5. 64
95. 11	11. 45 0. 50	42. 02	2. 07	0. 85	0. 683	1. 21	89. 43	28. 64	5. 67
95. 03	11. 50 0. 50	42. 05	2. 07	0. 85	0. 686	1. 21	89. 32	28. 80	5. 71
94. 96	11. 55 0. 50	42. 09	2. 07	0. 85	0. 689	1. 20	89. 21	28. 96	5. 75
94. 88	11. 60 0. 50	42. 12	2. 07	0. 85	0. 692	1. 20	89. 09	29. 12	5. 79
94. 81	11. 65 0. 50	42. 16	2. 07	0. 85	0. 695	1. 20	88. 98	29. 28	5. 83
94. 74	11. 70 0. 50	42. 19	2. 07	0. 85	0. 698	1. 20	88. 87	29. 44	5. 87
94. 66	11. 75 0. 50	42. 23	2. 07	0. 85	0. 701	1. 19	88. 76	29. 60	5. 90
94. 59	11. 80 0. 50	42. 26	2. 07	0. 85	0. 704	1. 19	88. 65	29. 76	5. 94
94. 52	11. 85 0. 50	42. 30	2. 07	0. 85	0. 706	1. 19	88. 54	29. 92	5. 98
94. 45	11. 90 0. 50	42. 33	2. 07	0. 85	0. 709	1. 19	88. 43	30. 08	6. 02
94. 38	11. 95 0. 50	42. 37	2. 07	0. 85	0. 712	1. 18	88. 33	30. 24	6. 06
94. 31	12. 00 0. 50	42. 40	2. 07	0. 85	0. 715	1. 18	88. 22	30. 40	6. 10
94. 25	12. 05 0. 50	42. 44	2. 07	0. 85	0. 718	1. 18	88. 11	30. 56	6. 13
	12. 10	42. 47	2. 07	0. 85	0. 721	1. 18	88. 01	30. 72	6. 17

Li quefy. cal

94. 18	0. 50									
	12. 15	42. 51	2. 07	0. 85	0. 724	1. 18	87. 90	30. 88	6. 21	
94. 11	0. 50									
	12. 20	42. 54	2. 07	0. 85	0. 727	1. 17	87. 80	31. 04	6. 25	
94. 05	0. 50									
	12. 25	42. 58	2. 07	0. 85	0. 730	1. 17	87. 69	31. 20	6. 29	
93. 98	0. 50									
	12. 30	42. 61	2. 07	0. 85	0. 733	1. 17	87. 59	31. 36	6. 33	
93. 92	0. 50									
	12. 35	42. 65	2. 07	0. 85	0. 736	1. 17	87. 49	31. 52	6. 36	
93. 85	0. 50									
	12. 40	42. 68	2. 07	0. 85	0. 738	1. 16	87. 39	31. 68	6. 40	
93. 79	0. 50									
	12. 45	42. 72	2. 07	0. 85	0. 741	1. 16	87. 29	31. 84	6. 44	
93. 73	0. 50									
	12. 50	42. 75	2. 07	0. 85	0. 744	1. 16	87. 18	32. 00	6. 48	
93. 66	0. 50									
	12. 55	42. 79	2. 07	0. 85	0. 747	1. 16	87. 08	32. 16	6. 52	
93. 60	0. 50									
	12. 60	42. 82	2. 07	0. 85	0. 750	1. 15	86. 99	32. 32	6. 56	
93. 54	0. 50									
	12. 65	42. 86	2. 07	0. 85	0. 753	1. 15	86. 89	32. 48	6. 60	
93. 48	0. 50									
	12. 70	42. 89	2. 07	0. 85	0. 756	1. 15	86. 79	32. 64	6. 63	
93. 42	0. 50									
	12. 75	42. 93	2. 07	0. 85	0. 759	1. 15	86. 69	32. 80	6. 67	
93. 36	0. 50									
	12. 80	42. 96	2. 07	0. 85	0. 762	1. 15	86. 59	32. 96	6. 71	
93. 31	0. 50									
	12. 85	43. 00	2. 07	0. 85	0. 765	1. 14	86. 50	33. 12	6. 75	
93. 25	0. 50									
	12. 90	43. 03	2. 07	0. 85	0. 768	1. 14	86. 40	33. 28	6. 79	
93. 19	0. 50									
	12. 95	43. 07	2. 07	0. 85	0. 771	1. 14	86. 31	33. 44	6. 83	
93. 13	0. 50									
	13. 00	43. 10	2. 07	0. 85	0. 774	1. 14	86. 21	33. 60	6. 86	
93. 08	0. 50									
	13. 05	43. 14	2. 07	0. 85	0. 777	1. 13	86. 12	33. 76	6. 90	
93. 02	0. 50									
	13. 10	43. 17	2. 07	0. 85	0. 780	1. 13	86. 03	33. 92	6. 94	
92. 97	0. 50									
	13. 15	43. 21	2. 07	0. 85	0. 783	1. 13	85. 93	34. 08	6. 98	
92. 91	0. 50									
	13. 20	43. 24	2. 07	0. 85	0. 786	1. 13	85. 84	34. 24	7. 02	
92. 86	0. 50									
	13. 25	43. 28	2. 07	0. 85	0. 788	1. 13	85. 75	34. 40	7. 06	
92. 81	0. 50									
	13. 30	43. 31	2. 07	0. 85	0. 791	1. 12	85. 66	34. 56	7. 09	
92. 75	0. 50									
	13. 35	43. 35	2. 07	0. 85	0. 794	1. 12	85. 57	34. 72	7. 13	
92. 70	0. 50									
	13. 40	43. 38	2. 07	0. 85	0. 797	1. 12	85. 48	34. 88	7. 17	
92. 65	0. 50									
	13. 45	43. 42	2. 07	0. 85	0. 800	1. 12	85. 39	35. 04	7. 20	
92. 59	0. 50									
	13. 50	43. 45	2. 07	0. 85	0. 803	1. 12	85. 30	35. 20	7. 20	
92. 50	0. 50									
	13. 55	43. 49	2. 07	0. 85	0. 806	1. 11	85. 21	35. 36	7. 20	
92. 41	0. 50									
	13. 60	43. 52	2. 07	0. 85	0. 809	1. 11	85. 12	35. 52	7. 20	
92. 32	0. 50									
	13. 65	43. 56	2. 07	0. 85	0. 812	1. 11	85. 03	35. 68	7. 20	
92. 23	0. 50									

					Li quefy. cal					
92.15	13.70 0.50	43.59	2.07	0.85	0.815	1.11	84.95	35.84	7.20	
92.06	13.75 0.50	43.63	2.07	0.85	0.818	1.11	84.86	36.00	7.20	
91.97	13.80 0.50	43.66	2.07	0.85	0.821	1.10	84.77	36.16	7.20	
91.89	13.85 0.50	43.70	2.07	0.85	0.824	1.10	84.69	36.32	7.20	
91.80	13.90 0.50	43.73	2.07	0.85	0.827	1.10	84.60	36.48	7.20	
91.72	13.95 0.50	43.77	2.07	0.85	0.830	1.10	84.52	36.64	7.20	
91.64	14.00 0.50	43.80	2.07	0.85	0.833	1.10	84.44	36.80	7.20	
91.55	14.05 0.50	43.84	2.07	0.85	0.836	1.09	84.35	36.96	7.20	
91.47	14.10 0.50	43.87	2.07	0.85	0.839	1.09	84.27	37.12	7.20	
91.39	14.15 0.50	43.91	2.07	0.85	0.842	1.09	84.19	37.28	7.20	
91.30	14.20 0.50	43.94	2.07	0.85	0.845	1.09	84.10	37.44	7.20	
91.22	14.25 0.50	43.98	2.07	0.85	0.848	1.09	84.02	37.60	7.20	
91.14	14.30 0.50	44.01	2.07	0.85	0.851	1.08	83.94	37.76	7.20	
91.06	14.35 0.50	44.05	2.07	0.85	0.854	1.08	83.86	37.92	7.20	
90.98	14.40 0.50	44.08	2.07	0.85	0.857	1.08	83.78	38.08	7.20	
90.90	14.45 0.50	44.12	2.07	0.85	0.860	1.08	83.70	38.24	7.20	
90.82	14.50 0.50	44.15	2.07	0.85	0.863	1.08	83.62	38.40	7.20	
90.74	14.55 0.50	44.19	2.07	0.85	0.866	1.07	83.54	38.56	7.20	
90.66	14.60 0.50	44.22	2.07	0.85	0.869	1.07	83.46	38.72	7.20	
90.58	14.65 0.50	44.26	2.07	0.85	0.872	1.07	83.38	38.88	7.20	
90.51	14.70 0.50	44.29	2.07	0.85	0.875	1.07	83.31	39.04	7.20	
90.43	14.75 0.50	44.33	2.07	0.85	0.878	1.07	83.23	39.20	7.20	
100.14	14.80 0.50	44.36	2.07	0.95	0.881	1.07	92.94	39.36	7.20	
100.05	14.85 0.50	44.40	2.07	0.95	0.884	1.06	92.85	39.52	7.20	
99.96	14.90 0.50	44.43	2.07	0.95	0.887	1.06	92.76	39.68	7.20	
99.88	14.95 0.50	44.47	2.07	0.95	0.890	1.06	92.68	39.84	7.20	
99.80	15.00 0.50	44.50	2.07	0.95	0.893	1.06	92.60	40.00	7.20	
99.71	15.05 0.50	44.54	2.07	0.95	0.896	1.06	92.51	40.16	7.20	
99.63	15.10 0.50	44.57	2.07	0.95	0.899	1.05	92.43	40.32	7.20	
99.55	15.15 0.50	44.61	2.07	0.95	0.902	1.05	92.35	40.48	7.20	
99.46	15.20 0.50	44.64	2.07	0.95	0.905	1.05	92.26	40.64	7.20	
	15.25	44.68	2.07	0.95	0.908	1.05	92.18	40.80	7.20	

Li quefy. cal

99.38	0.50									
	15.30	44.71	2.07	0.95	0.911	1.05	92.10	40.96	7.20	
99.30	0.50									
	15.35	44.75	2.07	0.95	0.914	1.05	92.02	41.12	7.20	
99.22	0.50									
	15.40	44.78	2.07	0.95	0.917	1.04	91.94	41.28	7.20	
99.14	0.50									
	15.45	44.82	2.07	0.95	0.920	1.04	91.86	41.44	7.20	
99.06	0.50									
	15.50	44.85	2.07	0.95	0.923	1.04	91.78	41.60	7.20	
98.98	0.50									
	15.55	44.89	2.07	0.95	0.927	1.04	91.70	41.76	7.20	
98.90	0.50									
	15.60	44.92	2.07	0.95	0.930	1.04	91.62	41.92	7.20	
98.82	0.50									
	15.65	44.96	2.07	0.95	0.933	1.04	91.54	42.08	7.20	
98.74	0.50									
	15.70	44.99	2.07	0.95	0.936	1.03	91.46	42.24	7.20	
98.66	0.50									
	15.75	45.03	2.07	0.95	0.939	1.03	91.39	42.40	7.20	
98.59	0.50									
	15.80	45.06	2.07	0.95	0.942	1.03	91.31	42.56	7.20	
98.51	0.50									
	15.85	45.10	2.07	0.95	0.945	1.03	91.23	42.72	7.20	
98.43	0.50									
	15.90	45.13	2.07	0.95	0.948	1.03	91.16	42.88	7.20	
98.36	0.50									
	15.95	45.17	2.07	0.95	0.951	1.03	91.08	43.04	7.20	
98.28	0.50									
	16.00	45.20	2.07	0.95	0.954	1.02	91.00	43.20	7.20	
98.20	0.50									
	16.05	45.24	2.07	0.95	0.957	1.02	90.93	43.36	7.20	
98.13	0.50									
	16.10	45.27	2.07	0.95	0.960	1.02	90.85	43.52	7.20	
98.05	0.50									
	16.15	45.31	2.07	0.95	0.963	1.02	90.78	43.68	7.20	
97.98	0.50									
	16.20	45.34	2.07	0.95	0.966	1.02	90.71	43.84	7.20	
97.91	0.50									
	16.25	45.38	2.07	0.95	0.969	1.02	90.63	44.00	7.20	
97.83	0.50									
	16.30	45.41	2.07	0.95	0.972	1.01	90.56	44.16	7.20	
97.76	0.50									
	16.35	45.45	2.07	0.95	0.975	1.01	90.48	44.32	7.20	
97.68	0.50									
	16.40	45.48	2.07	0.95	0.979	1.01	90.41	44.48	7.20	
97.61	0.50									
	16.45	45.52	2.07	0.95	0.982	1.01	90.34	44.64	7.20	
97.54	0.50									
	16.50	45.55	2.07	0.95	0.985	1.01	90.27	44.80	7.20	
97.47	0.50									
	16.55	45.59	2.07	0.95	0.988	1.01	90.20	44.96	7.20	
97.40	0.50									
	16.60	45.62	2.07	0.95	0.991	1.00	90.12	45.12	7.20	
97.32	0.50									
	16.65	45.66	2.07	0.95	0.994	1.00	90.05	45.28	7.20	
97.25	0.50									
	16.70	45.69	2.07	0.95	0.997	1.00	89.98	45.44	7.20	
97.18	0.50									
	16.75	45.73	2.07	0.95	1.000	1.00	89.91	45.60	7.20	
97.11	0.50									
	16.80	45.76	2.07	0.95	1.003	1.00	89.84	45.76	7.20	
97.04	0.50									

					Li quefy. cal					
96.97	16.85 0.50	45.80	2.07	0.95	1.006	1.00	89.77	45.92	7.20	
96.90	16.90 0.50	45.83	2.07	0.95	1.009	1.00	89.70	46.08	7.20	
96.84	16.95 0.50	45.87	2.07	0.95	1.012	0.99	89.64	46.24	7.20	
96.77	17.00 0.50	45.90	2.07	0.95	1.016	0.99	89.57	46.40	7.20	
96.70	17.05 0.50	45.94	2.07	0.95	1.019	0.99	89.50	46.56	7.20	
96.63	17.10 0.50	45.97	2.07	0.95	1.022	0.99	89.43	46.72	7.20	
96.56	17.15 0.50	46.01	2.07	0.95	1.025	0.99	89.36	46.88	7.20	
96.50	17.20 0.50	46.04	2.07	0.95	1.028	0.99	89.30	47.04	7.20	
96.43	17.25 0.50	46.08	2.07	0.95	1.031	0.98	89.23	47.20	7.20	
96.36	17.30 0.50	46.11	2.07	0.95	1.034	0.98	89.16	47.36	7.20	
96.30	17.35 0.50	46.15	2.07	0.95	1.037	0.98	89.10	47.52	7.20	
96.23	17.40 0.50	46.18	2.07	0.95	1.040	0.98	89.03	47.68	7.20	
96.16	17.45 0.50	46.22	2.07	0.95	1.044	0.98	88.96	47.84	7.20	
96.10	17.50 0.50	46.25	2.07	0.95	1.047	0.98	88.90	48.00	7.20	
96.03	17.55 0.50	46.29	2.07	0.95	1.050	0.98	88.83	48.16	7.20	
95.97	17.60 0.50	46.32	2.07	0.95	1.053	0.97	88.77	48.32	7.20	
95.91	17.65 0.50	46.36	2.07	0.95	1.056	0.97	88.71	48.48	7.20	
95.84	17.70 0.50	46.39	2.07	0.95	1.059	0.97	88.64	48.64	7.20	
95.78	17.75 0.50	46.43	2.07	0.95	1.062	0.97	88.58	48.80	7.20	
95.71	17.80 0.50	46.46	2.07	0.95	1.065	0.97	88.51	48.96	7.20	
95.65	17.85 0.50	46.50	2.07	0.95	1.069	0.97	88.45	49.12	7.20	
95.59	17.90 0.50	46.53	2.07	0.95	1.072	0.97	88.39	49.28	7.20	
95.53	17.95 0.50	46.57	2.07	0.95	1.075	0.96	88.33	49.44	7.20	
95.46	18.00 0.50	46.60	2.07	0.95	1.078	0.96	88.26	49.60	7.20	
95.40	18.05 0.50	46.64	2.07	0.95	1.081	0.96	88.20	49.76	7.20	
95.34	18.10 0.50	46.67	2.07	0.95	1.084	0.96	88.14	49.92	7.20	
95.28	18.15 0.50	46.71	2.07	0.95	1.087	0.96	88.08	50.08	7.20	
95.22	18.20 0.50	46.74	2.07	0.95	1.091	0.96	88.02	50.24	7.20	
95.16	18.25 0.50	46.78	2.07	0.95	1.094	0.96	87.96	50.40	7.20	
95.10	18.30 0.50	46.81	2.07	0.95	1.097	0.95	87.90	50.56	7.20	
95.04	18.35 0.50	46.85	2.07	0.95	1.100	0.95	87.84	50.72	7.20	
	18.40	46.88	2.07	0.95	1.103	0.95	87.78	50.88	7.20	

Li quefy. cal

94. 98	0. 50									
	18. 45	46. 92	2. 07	0. 95	1. 106	0. 95	87. 72	51. 04	7. 20	
94. 92	0. 50									
	18. 50	46. 95	2. 07	0. 95	1. 109	0. 95	87. 66	51. 20	7. 20	
94. 86	0. 50									
	18. 55	46. 99	2. 07	0. 95	1. 113	0. 95	87. 60	51. 36	7. 20	
94. 80	0. 50									
	18. 60	47. 02	2. 07	0. 95	1. 116	0. 95	87. 54	51. 52	7. 20	
94. 74	0. 50									
	18. 65	47. 06	2. 07	0. 95	1. 119	0. 95	87. 48	51. 68	7. 20	
94. 68	0. 50									
	18. 70	47. 09	2. 07	0. 95	1. 122	0. 94	87. 42	51. 84	7. 20	
94. 62	0. 50									
	18. 75	47. 13	2. 07	0. 95	1. 125	0. 94	87. 36	52. 00	7. 20	
94. 56	0. 50									
	18. 80	47. 16	2. 07	0. 95	1. 128	0. 94	87. 31	52. 16	7. 20	
94. 51	0. 50									
	18. 85	47. 19	2. 07	0. 95	1. 132	0. 94	87. 25	52. 32	7. 20	
94. 45	0. 50									
	18. 90	47. 23	2. 07	0. 95	1. 135	0. 94	87. 19	52. 48	7. 20	
94. 39	0. 50									
	18. 95	47. 26	2. 07	0. 95	1. 138	0. 94	87. 13	52. 64	7. 20	
94. 33	0. 50									
	19. 00	47. 30	2. 07	0. 95	1. 141	0. 94	87. 08	52. 80	7. 20	
94. 28	0. 50									
	19. 05	47. 33	2. 07	0. 95	1. 144	0. 93	87. 02	52. 96	7. 20	
94. 22	0. 50									
	19. 10	47. 37	2. 07	0. 95	1. 147	0. 93	86. 96	53. 12	7. 20	
94. 16	0. 50									
	19. 15	47. 40	2. 07	0. 95	1. 151	0. 93	86. 91	53. 28	7. 20	
94. 11	0. 50									
	19. 20	47. 44	2. 07	0. 95	1. 154	0. 93	86. 85	53. 44	7. 20	
94. 05	0. 50									
	19. 25	47. 47	2. 07	0. 95	1. 157	0. 93	86. 80	53. 60	7. 20	
94. 00	0. 50									
	19. 30	47. 51	2. 07	0. 95	1. 160	0. 93	86. 74	53. 76	7. 20	
93. 94	0. 50									
	19. 35	47. 54	2. 07	0. 95	1. 163	0. 93	86. 69	53. 92	7. 20	
93. 89	0. 50									
	19. 40	47. 58	2. 07	0. 95	1. 167	0. 93	86. 63	54. 08	7. 20	
93. 83	0. 50									
	19. 45	47. 61	2. 07	0. 95	1. 170	0. 92	86. 58	54. 24	7. 20	
93. 78	0. 50									
	19. 50	47. 65	2. 07	0. 95	1. 173	0. 92	86. 52	54. 40	7. 20	
93. 72	0. 50									
	19. 55	47. 68	2. 07	0. 95	1. 176	0. 92	86. 47	54. 56	7. 20	
93. 67	0. 50									
	19. 60	47. 72	2. 07	0. 95	1. 179	0. 92	86. 41	54. 72	7. 20	
93. 61	0. 50									
	19. 65	47. 75	2. 07	0. 95	1. 182	0. 92	86. 36	54. 88	7. 20	
93. 56	0. 50									
	19. 70	47. 79	2. 07	0. 95	1. 186	0. 92	86. 31	55. 04	7. 20	
93. 51	0. 50									
	19. 75	47. 82	2. 07	0. 95	1. 189	0. 92	86. 25	55. 20	7. 20	
93. 45	0. 50									
	19. 80	47. 86	2. 07	0. 95	1. 192	0. 92	86. 20	55. 36	7. 20	
93. 40	0. 50									
	19. 85	47. 89	2. 07	0. 95	1. 195	0. 91	86. 15	55. 52	7. 20	
93. 35	0. 50									
	19. 90	47. 93	2. 07	0. 95	1. 199	0. 91	86. 10	55. 68	7. 20	
93. 30	0. 50									
	19. 95	47. 96	2. 07	0. 95	1. 202	0. 91	86. 04	55. 84	7. 20	
93. 24	0. 50									

					Li quefy. cal					
93.19	20.00 0.50	48.00	2.07	0.95	1.205	0.91	85.99	56.00	7.20	
93.04	20.05 0.50	47.98	2.07	0.95	1.208	0.91	85.84	55.94	7.20	
92.89	20.10 0.50	47.96	2.07	0.95	1.211	0.91	85.69	55.87	7.20	
92.74	20.15 0.50	47.94	2.07	0.95	1.215	0.91	85.54	55.81	7.20	
92.59	20.20 0.50	47.92	2.07	0.95	1.218	0.91	85.39	55.74	7.20	
92.45	20.25 0.50	47.90	2.07	0.95	1.221	0.90	85.25	55.68	7.20	
92.30	20.30 0.50	47.88	2.07	0.95	1.224	0.90	85.10	55.61	7.20	
92.15	20.35 0.50	47.86	2.07	0.95	1.227	0.90	84.95	55.55	7.20	
92.01	20.40 0.50	47.84	2.07	0.95	1.231	0.90	84.81	55.48	7.20	
91.86	20.45 0.50	47.82	2.07	0.95	1.234	0.90	84.66	55.42	7.20	
91.71	20.50 0.50	47.80	2.07	0.95	1.237	0.90	84.51	55.35	7.20	
91.57	20.55 0.50	47.78	2.07	0.95	1.240	0.90	84.37	55.29	7.20	
91.43	20.60 0.50	47.76	2.07	0.95	1.243	0.90	84.23	55.22	7.20	
91.28	20.65 0.50	47.74	2.07	0.95	1.247	0.90	84.08	55.16	7.20	
91.14	20.70 0.50	47.72	2.07	0.95	1.250	0.89	83.94	55.09	7.20	
91.00	20.75 0.50	47.70	2.07	0.95	1.253	0.89	83.80	55.03	7.20	
90.85	20.80 0.50	47.68	2.07	0.95	1.256	0.89	83.65	54.96	7.20	
90.71	20.85 0.50	47.66	2.07	0.95	1.259	0.89	83.51	54.90	7.20	
90.57	20.90 0.50	47.64	2.07	0.95	1.263	0.89	83.37	54.83	7.20	
90.43	20.95 0.50	47.62	2.07	0.95	1.266	0.89	83.23	54.77	7.20	
90.29	21.00 0.50	47.60	2.07	0.95	1.269	0.89	83.09	54.70	7.20	
90.15	21.05 0.50	47.58	2.07	0.95	1.272	0.89	82.95	54.64	7.20	
90.01	21.10 0.50	47.56	2.07	0.95	1.275	0.89	82.81	54.57	7.20	
89.87	21.15 0.50	47.54	2.07	0.95	1.279	0.88	82.67	54.51	7.20	
89.74	21.20 0.50	47.52	2.07	0.95	1.282	0.88	82.54	54.44	7.20	
89.60	21.25 0.50	47.50	2.07	0.95	1.285	0.88	82.40	54.38	7.20	
89.46	21.30 0.50	47.48	2.07	0.95	1.288	0.88	82.26	54.31	7.20	
89.33	21.35 0.50	47.46	2.07	0.95	1.291	0.88	82.13	54.25	7.20	
89.19	21.40 0.50	47.44	2.07	0.95	1.295	0.88	81.99	54.18	7.20	
89.05	21.45 0.50	47.42	2.07	0.95	1.298	0.88	81.85	54.12	7.20	
88.92	21.50 0.50	47.40	2.07	0.95	1.301	0.88	81.72	54.05	7.20	
	21.55	47.38	2.07	0.95	1.304	0.88	81.58	53.99	7.20	

Li quefy. cal

88.78	0.50									
	21.60	47.36	2.07	0.95	1.307	0.87	81.45	53.92	7.20	
88.65	0.50									
	21.65	47.34	2.07	0.95	1.311	0.87	81.32	53.86	7.20	
88.52	0.50									
	21.70	47.32	2.07	0.95	1.314	0.87	81.18	53.79	7.20	
88.38	0.50									
	21.75	47.30	2.07	0.95	1.317	0.87	81.05	53.73	7.20	
88.25	0.50									
	21.80	47.28	2.07	0.95	1.320	0.87	80.92	53.66	7.20	
88.12	0.50									
	21.85	47.26	2.07	0.95	1.323	0.87	80.79	53.60	7.20	
87.99	0.50									
	21.90	47.24	2.07	0.95	1.327	0.87	80.65	53.53	7.20	
87.85	0.50									
	21.95	47.22	2.07	0.95	1.330	0.87	80.52	53.47	7.20	
87.72	0.50									
	22.00	47.20	2.07	0.95	1.333	0.87	80.39	53.40	7.20	
87.59	0.50									
	22.05	47.18	2.07	0.95	1.336	0.87	80.26	53.34	7.20	
87.46	0.50									
	22.10	47.16	2.07	0.95	1.339	0.86	80.13	53.27	7.20	
87.33	0.50									
	22.15	47.14	2.07	0.95	1.343	0.86	80.00	53.21	7.20	
87.20	0.50									
	22.20	47.12	2.07	0.95	1.346	0.86	79.88	53.14	7.20	
87.08	0.50									
	22.25	47.10	2.07	0.95	1.349	0.86	79.75	53.08	7.20	
86.95	0.50									
	22.30	47.08	2.07	0.95	1.352	0.86	79.62	53.01	7.20	
86.82	0.50									
	22.35	47.06	2.07	0.95	1.355	0.86	79.49	52.95	7.20	
86.69	0.50									
	22.40	47.04	2.07	0.95	1.359	0.86	79.37	52.88	7.20	
86.57	0.50									
	22.45	47.02	2.07	0.95	1.362	0.86	79.24	52.82	7.20	
86.44	0.50									
	22.50	47.00	2.07	0.95	1.365	0.86	79.11	52.75	7.20	
86.31	0.50									
	22.55	46.98	2.07	0.95	1.368	0.85	78.99	52.69	7.20	
86.19	0.50									
	22.60	46.96	2.07	0.95	1.371	0.85	78.86	52.62	7.20	
86.06	0.50									
	22.65	46.94	2.07	0.95	1.374	0.85	78.74	52.56	7.20	
85.94	0.50									
	22.70	46.92	2.07	0.95	1.378	0.85	78.61	52.49	7.20	
85.81	0.50									
	22.75	46.90	2.07	0.95	1.381	0.85	78.49	52.43	7.20	
85.69	0.50									
	22.80	46.88	2.07	0.95	1.384	0.85	78.36	52.36	7.20	
85.56	0.50									
	22.85	46.86	2.07	0.95	1.387	0.85	78.24	52.30	7.20	
85.44	0.50									
	22.90	46.84	2.07	0.95	1.390	0.85	78.12	52.23	7.20	
85.32	0.50									
	22.95	46.82	2.07	0.95	1.394	0.85	78.00	52.17	7.20	
85.20	0.50									
	23.00	46.80	2.07	0.95	1.397	0.85	77.87	52.10	7.20	
85.07	0.50									
	23.05	46.78	2.07	0.95	1.400	0.85	77.75	52.04	7.20	
84.95	0.50									
	23.10	46.76	2.07	0.95	1.403	0.84	77.63	51.97	7.20	
84.83	0.50									

					Li quefy. cal					
84. 71	23. 15 0. 50	46. 74	2. 07	0. 95	1. 406	0. 84	77. 51	51. 91	7. 20	
84. 59	23. 20 0. 50	46. 72	2. 07	0. 95	1. 409	0. 84	77. 39	51. 84	7. 20	
84. 47	23. 25 0. 50	46. 70	2. 07	0. 95	1. 413	0. 84	77. 27	51. 78	7. 20	
84. 35	23. 30 0. 50	46. 68	2. 07	0. 95	1. 416	0. 84	77. 15	51. 71	7. 20	
84. 23	23. 35 0. 50	46. 66	2. 07	0. 95	1. 419	0. 84	77. 03	51. 65	7. 20	
84. 11	23. 40 0. 50	46. 64	2. 07	0. 95	1. 422	0. 84	76. 91	51. 58	7. 20	
83. 99	23. 45 0. 50	46. 62	2. 07	0. 95	1. 425	0. 84	76. 79	51. 52	7. 20	
83. 87	23. 50 0. 50	46. 60	2. 07	0. 95	1. 428	0. 84	76. 67	51. 45	7. 20	
83. 76	23. 55 0. 50	46. 58	2. 07	0. 95	1. 432	0. 84	76. 56	51. 39	7. 20	
83. 64	23. 60 0. 50	46. 56	2. 07	0. 95	1. 435	0. 83	76. 44	51. 32	7. 20	
83. 52	23. 65 0. 50	46. 54	2. 07	0. 95	1. 438	0. 83	76. 32	51. 26	7. 20	
83. 41	23. 70 0. 50	46. 52	2. 07	0. 95	1. 441	0. 83	76. 21	51. 19	7. 20	
83. 29	23. 75 0. 50	46. 50	2. 07	0. 95	1. 444	0. 83	76. 09	51. 13	7. 20	
83. 17	23. 80 0. 50	46. 48	2. 07	0. 95	1. 447	0. 83	75. 97	51. 06	7. 20	
83. 06	23. 85 0. 50	46. 46	2. 07	0. 95	1. 451	0. 83	75. 86	51. 00	7. 20	
82. 94	23. 90 0. 50	46. 44	2. 07	0. 95	1. 454	0. 83	75. 74	50. 93	7. 20	
82. 83	23. 95 0. 50	46. 42	2. 07	0. 95	1. 457	0. 83	75. 63	50. 87	7. 20	
82. 71	24. 00 0. 50	46. 40	2. 07	0. 95	1. 460	0. 83	75. 51	50. 80	7. 20	
82. 60	24. 05 0. 50	46. 38	2. 07	0. 95	1. 463	0. 83	75. 40	50. 74	7. 20	
82. 48	24. 10 0. 50	46. 36	2. 07	0. 95	1. 466	0. 83	75. 28	50. 67	7. 20	
82. 37	24. 15 0. 50	46. 34	2. 07	0. 95	1. 470	0. 82	75. 17	50. 61	7. 20	
82. 26	24. 20 0. 50	46. 32	2. 07	0. 95	1. 473	0. 82	75. 06	50. 54	7. 20	
82. 14	24. 25 0. 50	46. 30	2. 07	0. 95	1. 476	0. 82	74. 94	50. 48	7. 20	
82. 03	24. 30 0. 50	46. 28	2. 07	0. 95	1. 479	0. 82	74. 83	50. 41	7. 20	
81. 92	24. 35 0. 50	46. 26	2. 07	0. 95	1. 482	0. 82	74. 72	50. 35	7. 20	
81. 81	24. 40 0. 50	46. 24	2. 07	0. 95	1. 485	0. 82	74. 61	50. 28	7. 20	
81. 70	24. 45 0. 50	46. 22	2. 07	0. 95	1. 489	0. 82	74. 50	50. 22	7. 20	
81. 59	24. 50 0. 50	46. 20	2. 07	0. 95	1. 492	0. 82	74. 39	50. 15	7. 20	
81. 47	24. 55 0. 50	46. 18	2. 07	0. 95	1. 495	0. 82	74. 27	50. 09	7. 20	
81. 36	24. 60 0. 50	46. 16	2. 07	0. 95	1. 498	0. 82	74. 16	50. 02	7. 20	
81. 25	24. 65 0. 50	46. 14	2. 07	0. 95	1. 501	0. 82	74. 05	49. 96	7. 20	
	24. 70	46. 12	2. 07	0. 95	1. 504	0. 82	73. 94	49. 89	7. 20	

Li quefy. cal

81. 14	0. 50									
	24. 75	46. 10	2. 07	0. 95	1. 508	0. 81	73. 83	49. 83	7. 20	
81. 03	0. 50									
	24. 80	46. 08	2. 07	0. 95	1. 511	0. 81	73. 73	49. 76	7. 20	
80. 93	0. 50									
	24. 85	46. 06	2. 07	0. 95	1. 514	0. 81	73. 62	49. 70	7. 20	
80. 82	0. 50									
	24. 90	46. 04	2. 07	0. 95	1. 517	0. 81	73. 51	49. 63	7. 20	
80. 71	0. 50									
	24. 95	46. 02	2. 07	0. 95	1. 520	0. 81	73. 40	49. 57	7. 20	
80. 60	0. 50									
	25. 00	46. 00	2. 07	0. 95	1. 523	0. 81	73. 29	49. 50	7. 20	
80. 49	0. 50									
	25. 05	45. 98	2. 07	0. 95	1. 526	0. 81	73. 18	49. 44	7. 20	
80. 38	0. 50									
	25. 10	45. 96	2. 07	0. 95	1. 530	0. 81	73. 08	49. 37	7. 20	
80. 28	0. 50									
	25. 15	45. 94	2. 07	0. 95	1. 533	0. 81	72. 97	49. 31	7. 20	
80. 17	0. 50									
	25. 20	45. 92	2. 07	0. 95	1. 536	0. 81	72. 86	49. 24	7. 20	
80. 06	0. 50									
	25. 25	45. 90	2. 07	0. 95	1. 539	0. 81	72. 76	49. 18	7. 20	
79. 96	0. 50									
	25. 30	45. 88	2. 07	0. 95	1. 542	0. 81	72. 65	49. 11	7. 20	
79. 85	0. 50									
	25. 35	45. 86	2. 07	0. 95	1. 545	0. 80	72. 54	49. 05	7. 20	
79. 74	0. 50									
	25. 40	45. 84	2. 07	0. 95	1. 549	0. 80	72. 44	48. 98	7. 20	
79. 64	0. 50									
	25. 45	45. 82	2. 07	0. 95	1. 552	0. 80	72. 33	48. 92	7. 20	
79. 53	0. 50									
	25. 50	45. 80	2. 07	0. 95	1. 555	0. 80	72. 23	48. 85	7. 20	
79. 43	0. 50									
	25. 55	45. 78	2. 07	0. 95	1. 558	0. 80	72. 13	48. 79	7. 20	
79. 33	0. 50									
	25. 60	45. 76	2. 07	0. 95	1. 561	0. 80	72. 02	48. 72	7. 20	
79. 22	0. 50									
	25. 65	45. 74	2. 07	0. 95	1. 564	0. 80	71. 92	48. 66	7. 20	
79. 12	0. 50									
	25. 70	45. 72	2. 07	0. 95	1. 567	0. 80	71. 81	48. 59	7. 20	
79. 01	0. 50									
	25. 75	45. 70	2. 07	0. 95	1. 571	0. 80	71. 71	48. 53	7. 20	
78. 91	0. 50									
	25. 80	45. 68	2. 07	0. 95	1. 574	0. 80	71. 61	48. 46	7. 20	
78. 81	0. 50									
	25. 85	45. 66	2. 07	0. 95	1. 577	0. 80	71. 50	48. 40	7. 20	
78. 70	0. 50									
	25. 90	45. 64	2. 07	0. 95	1. 580	0. 80	71. 40	48. 33	7. 20	
78. 60	0. 50									
	25. 95	45. 62	2. 07	0. 95	1. 583	0. 79	71. 30	48. 27	7. 20	
78. 50	0. 50									
	26. 00	45. 60	2. 07	0. 95	1. 586	0. 79	71. 20	48. 20	7. 20	
78. 40	0. 50									
	26. 05	45. 58	2. 07	0. 95	1. 589	0. 79	71. 10	48. 14	7. 20	
78. 30	0. 50									
	26. 10	45. 56	2. 07	0. 95	1. 593	0. 79	70. 99	48. 07	7. 20	
78. 19	0. 50									
	26. 15	45. 54	2. 07	0. 95	1. 596	0. 79	70. 89	48. 01	7. 20	
78. 09	0. 50									
	26. 20	45. 52	2. 07	0. 95	1. 599	0. 79	70. 79	47. 94	7. 20	
77. 99	0. 50									
	26. 25	45. 50	2. 07	0. 95	1. 602	0. 79	70. 69	47. 88	7. 20	
77. 89	0. 50									

					Li quefy. cal					
77.79	26.30 0.50	45.48	2.07	0.95	1.605	0.79	70.59	47.81	7.20	
77.69	26.35 0.50	45.46	2.07	0.95	1.608	0.79	70.49	47.75	7.20	
77.59	26.40 0.50	45.44	2.07	0.95	1.611	0.79	70.39	47.68	7.20	
77.49	26.45 0.50	45.42	2.07	0.95	1.615	0.79	70.29	47.62	7.20	
77.39	26.50 0.50	45.40	2.07	0.95	1.618	0.79	70.19	47.55	7.20	
77.30	26.55 0.50	45.38	2.07	0.95	1.621	0.79	70.10	47.49	7.20	
77.20	26.60 0.50	45.36	2.07	0.95	1.624	0.78	70.00	47.42	7.20	
77.10	26.65 0.50	45.34	2.07	0.95	1.627	0.78	69.90	47.36	7.20	
77.00	26.70 0.50	45.32	2.07	0.95	1.630	0.78	69.80	47.29	7.20	
76.90	26.75 0.50	45.30	2.07	0.95	1.633	0.78	69.70	47.23	7.20	
76.81	26.80 0.50	45.28	2.07	0.95	1.637	0.78	69.61	47.16	7.20	
76.71	26.85 0.50	45.26	2.07	0.95	1.640	0.78	69.51	47.10	7.20	
76.61	26.90 0.50	45.24	2.07	0.95	1.643	0.78	69.41	47.03	7.20	
76.51	26.95 0.50	45.22	2.07	0.95	1.646	0.78	69.31	46.97	7.20	
76.42	27.00 0.50	45.20	2.07	0.95	1.649	0.78	69.22	46.90	7.20	
76.32	27.05 0.50	45.18	2.07	0.95	1.652	0.78	69.12	46.84	7.20	
76.23	27.10 0.50	45.16	2.07	0.95	1.655	0.78	69.03	46.77	7.20	
76.13	27.15 0.50	45.14	2.07	0.95	1.658	0.78	68.93	46.71	7.20	
76.03	27.20 0.50	45.12	2.07	0.95	1.662	0.78	68.83	46.64	7.20	
75.94	27.25 0.50	45.10	2.07	0.95	1.665	0.78	68.74	46.58	7.20	
75.84	27.30 0.50	45.08	2.07	0.95	1.668	0.77	68.64	46.51	7.20	
75.75	27.35 0.50	45.06	2.07	0.95	1.671	0.77	68.55	46.45	7.20	
75.66	27.40 0.50	45.04	2.07	0.95	1.674	0.77	68.46	46.38	7.20	
75.56	27.45 0.50	45.02	2.07	0.95	1.677	0.77	68.36	46.32	7.20	
75.47	27.50 0.50	45.00	2.07	0.95	1.680	0.77	68.27	46.25	7.20	
75.37	27.55 0.50	44.98	2.07	0.95	1.683	0.77	68.17	46.19	7.20	
75.28	27.60 0.50	44.96	2.07	0.95	1.687	0.77	68.08	46.12	7.20	
75.19	27.65 0.50	44.94	2.07	0.95	1.690	0.77	67.99	46.06	7.20	
75.09	27.70 0.50	44.92	2.07	0.95	1.693	0.77	67.89	45.99	7.20	
75.00	27.75 0.50	44.90	2.07	0.95	1.696	0.77	67.80	45.93	7.20	
74.91	27.80 0.50	44.88	2.07	0.95	1.699	0.77	67.71	45.86	7.20	
	27.85	44.86	2.07	0.95	1.702	0.77	67.62	45.80	7.20	

Li quefy. cal

74.82	0.50									
	27.90	44.84	2.07	1.00	1.705	0.77	71.08	45.73	7.20	
78.28	0.50									
	27.95	44.82	2.07	1.00	1.708	0.77	70.98	45.67	7.20	
78.18	0.50									
	28.00	44.80	2.07	1.00	1.712	0.76	70.89	45.60	7.20	
78.09	0.50									
	28.05	44.78	2.07	1.00	1.715	0.76	70.79	45.54	7.20	
77.99	0.50									
	28.10	44.76	2.07	1.00	1.718	0.76	70.69	45.47	7.20	
77.89	0.50									
	28.15	44.74	2.07	1.00	1.721	0.76	70.60	45.41	7.20	
77.80	0.50									
	28.20	44.72	2.07	1.00	1.724	0.76	70.50	45.34	7.20	
77.70	0.50									
	28.25	44.70	2.07	1.00	1.727	0.76	70.41	45.28	7.20	
77.61	0.50									
	28.30	44.68	2.07	1.00	1.730	0.76	70.31	45.21	7.20	
77.51	0.50									
	28.35	44.66	2.07	1.00	1.733	0.76	70.22	45.15	7.20	
77.42	0.50									
	28.40	44.64	2.07	1.00	1.736	0.76	70.12	45.08	7.20	
77.32	0.50									
	28.45	44.62	2.07	1.00	1.740	0.76	70.03	45.02	7.20	
77.23	0.50									
	28.50	44.60	2.07	1.00	1.743	0.76	69.93	44.95	7.20	
77.13	0.50									
	28.55	44.58	2.07	1.00	1.746	0.76	69.84	44.89	7.20	
77.04	0.50									
	28.60	44.56	2.07	1.00	1.749	0.76	69.75	44.82	7.20	
76.95	0.50									
	28.65	44.54	2.07	1.00	1.752	0.76	69.65	44.76	7.20	
76.85	0.50									
	28.70	44.52	2.07	1.00	1.755	0.75	69.56	44.69	7.20	
76.76	0.50									
	28.75	44.50	2.07	1.00	1.758	0.75	69.47	44.63	7.20	
76.67	0.50									
	28.80	44.48	2.07	1.00	1.761	0.75	69.38	44.56	7.20	
76.58	0.50									
	28.85	44.46	2.07	1.00	1.764	0.75	69.28	44.50	7.20	
76.48	0.50									
	28.90	44.44	2.07	1.00	1.768	0.75	69.19	44.43	7.20	
76.39	0.50									
	28.95	44.42	2.07	1.00	1.771	0.75	69.10	44.37	7.20	
76.30	0.50									
	29.00	44.40	2.07	1.00	1.774	0.75	69.01	44.30	7.20	
76.21	0.50									
	29.05	44.38	2.07	1.00	1.777	0.75	68.92	44.24	7.20	
76.12	0.50									
	29.10	44.36	2.07	1.00	1.780	0.75	68.83	44.17	7.20	
76.03	0.50									
	29.15	44.34	2.07	1.00	1.783	0.75	68.73	44.11	7.20	
75.93	0.50									
	29.20	44.32	2.07	1.00	1.786	0.75	68.64	44.04	7.20	
75.84	0.50									
	29.25	44.30	2.07	1.00	1.789	0.75	68.55	43.98	7.20	
75.75	0.50									
	29.30	44.28	2.07	1.00	1.792	0.75	68.46	43.91	7.20	
75.66	0.50									
	29.35	44.26	2.07	1.00	1.796	0.75	68.37	43.85	7.20	
75.57	0.50									
	29.40	44.24	2.07	1.00	1.799	0.75	68.28	43.78	7.20	
75.48	0.50									

					Liquefy. cal					
75.39	29.45 0.50	44.22	2.07	1.00	1.802	0.74	68.19	43.72	7.20	
75.30	29.50 0.50	44.20	2.07	1.00	1.805	0.74	68.10	43.65	7.20	
75.21	29.55 0.50	44.18	2.07	1.00	1.808	0.74	68.01	43.59	7.20	
75.13	29.60 0.50	44.16	2.07	1.00	1.811	0.74	67.93	43.52	7.20	
75.04	29.65 0.50	44.14	2.07	1.00	1.814	0.74	67.84	43.46	7.20	
74.95	29.70 0.50	44.12	2.07	1.00	1.817	0.74	67.75	43.39	7.20	
74.86	29.75 0.50	44.10	2.07	1.00	1.820	0.74	67.66	43.33	7.20	
74.77	29.80 0.50	44.08	2.07	1.00	1.823	0.74	67.57	43.26	7.20	
74.68	29.85 0.50	44.06	2.07	1.00	1.827	0.74	67.48	43.20	7.20	
74.60	29.90 0.50	44.04	2.07	1.00	1.830	0.74	67.40	43.13	7.20	
74.51	29.95 0.50	44.02	2.07	1.00	1.833	0.74	67.31	43.07	7.20	
74.42	30.00 0.50	44.00	2.07	1.00	1.836	0.74	67.22	43.00	7.20	

CRR is based on water table at 30.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.60:									
F. S. =CRRm/CSRfs	Depth ft	sig' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	
	0.00	0.00	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.05	0.00	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.10	0.00	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.15	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.20	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.25	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.30	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.35	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.40	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.45	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.50	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.55	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.60	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.65	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.70	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.75	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.80	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.85	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.90	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.95	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.00	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.05	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.10	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.15	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.20	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.25	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.30	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.35	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.40	0.06	0.50	1.00	0.50	1.39	0.69	0.47	5.00

Liquefy. cal								
29.80	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
29.85	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
29.90	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
29.95	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
30.00	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00

* F. S. <1: Liquefaction Potential Zone. (If above water table: F. S. =5)
 ^ No-liquefiable Soils or above Water Table.
 (F. S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:

Fines Correction for Settlement Analysis:

Depth ft	D50mm	qc/N1	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
0.00	-	-	-	100.00	36.00	0.00	100.00
0.05	-	-	-	100.00	36.00	0.00	100.00
0.10	-	-	-	100.00	36.00	0.00	100.00
0.15	-	-	-	100.00	36.00	0.00	100.00
0.20	-	-	-	100.00	36.00	0.00	100.00
0.25	-	-	-	100.00	36.00	0.00	100.00
0.30	-	-	-	100.00	36.00	0.00	100.00
0.35	-	-	-	100.00	36.00	0.00	100.00
0.40	-	-	-	100.00	36.00	0.00	100.00
0.45	-	-	-	100.00	36.00	0.00	100.00
0.50	-	-	-	100.00	36.00	0.00	100.00
0.55	-	-	-	100.00	36.00	0.00	100.00
0.60	-	-	-	100.00	36.00	0.00	100.00
0.65	-	-	-	100.00	36.00	0.00	100.00
0.70	-	-	-	100.00	36.00	0.00	100.00
0.75	-	-	-	100.00	36.00	0.00	100.00
0.80	-	-	-	100.00	36.00	0.00	100.00
0.85	-	-	-	100.00	36.00	0.00	100.00
0.90	-	-	-	100.00	36.00	0.00	100.00
0.95	-	-	-	100.00	36.00	0.00	100.00
1.00	-	-	-	100.00	36.00	0.00	100.00
1.05	-	-	-	100.00	36.00	0.00	100.00
1.10	-	-	-	100.00	36.00	0.00	100.00
1.15	-	-	-	100.00	36.00	0.00	100.00
1.20	-	-	-	100.00	36.00	0.00	100.00
1.25	-	-	-	100.00	36.00	0.00	100.00
1.30	-	-	-	100.00	36.00	0.00	100.00
1.35	-	-	-	100.00	36.00	0.00	100.00
1.40	-	-	-	100.00	36.00	0.00	100.00
1.45	-	-	-	100.00	36.00	0.00	100.00
1.50	-	-	-	100.00	36.00	0.00	100.00
1.55	-	-	-	100.00	36.00	0.00	100.00
1.60	-	-	-	100.00	36.00	0.00	100.00
1.65	-	-	-	100.00	36.00	0.00	100.00
1.70	-	-	-	100.00	36.00	0.00	100.00
1.75	-	-	-	100.00	36.00	0.00	100.00
1.80	-	-	-	100.00	36.00	0.00	100.00
1.85	-	-	-	100.00	36.00	0.00	100.00
1.90	-	-	-	100.00	36.00	0.00	100.00
1.95	-	-	-	100.00	36.00	0.00	100.00
2.00	-	-	-	99.57	36.00	0.00	99.57
2.05	-	-	-	98.91	36.00	0.00	98.91
2.10	-	-	-	98.25	36.00	0.00	98.25
2.15	-	-	-	97.59	36.00	0.00	97.59
2.20	-	-	-	96.93	36.00	0.00	96.93
2.25	-	-	-	96.27	36.00	0.00	96.27
2.30	-	-	-	95.61	36.00	0.00	95.61

Liquefy. cal

2. 35	-	-	-	94. 96	36. 00	0. 00	94. 96
2. 40	-	-	-	94. 30	36. 00	0. 00	94. 30
2. 45	-	-	-	93. 64	36. 00	0. 00	93. 64
2. 50	-	-	-	92. 98	36. 00	0. 00	92. 98
2. 55	-	-	-	92. 32	36. 00	0. 00	92. 32
2. 60	-	-	-	91. 66	36. 00	0. 00	91. 66
2. 65	-	-	-	91. 00	36. 00	0. 00	91. 00
2. 70	-	-	-	90. 34	36. 00	0. 00	90. 34
2. 75	-	-	-	89. 68	36. 00	0. 00	89. 68
2. 80	-	-	-	89. 02	36. 00	0. 00	89. 02
2. 85	-	-	-	88. 36	36. 00	0. 00	88. 36
2. 90	-	-	-	87. 70	36. 00	0. 00	87. 70
2. 95	-	-	-	87. 04	36. 00	0. 00	87. 04
3. 00	-	-	-	86. 38	36. 00	0. 00	86. 38
3. 05	-	-	-	85. 72	36. 00	0. 00	85. 72
3. 10	-	-	-	85. 06	36. 00	0. 00	85. 06
3. 15	-	-	-	84. 40	36. 00	0. 00	84. 40
3. 20	-	-	-	83. 74	36. 00	0. 00	83. 74
3. 25	-	-	-	83. 08	36. 00	0. 00	83. 08
3. 30	-	-	-	82. 42	36. 00	0. 00	82. 42
3. 35	-	-	-	81. 76	36. 00	0. 00	81. 76
3. 40	-	-	-	81. 10	36. 00	0. 00	81. 10
3. 45	-	-	-	80. 44	36. 00	0. 00	80. 44
3. 50	-	-	-	79. 78	36. 00	0. 00	79. 78
3. 55	-	-	-	79. 12	36. 00	0. 00	79. 12
3. 60	-	-	-	78. 46	36. 00	0. 00	78. 46
3. 65	-	-	-	77. 80	36. 00	0. 00	77. 80
3. 70	-	-	-	77. 14	36. 00	0. 00	77. 14
3. 75	-	-	-	76. 48	36. 00	0. 00	76. 48
3. 80	-	-	-	75. 82	36. 00	0. 00	75. 82
3. 85	-	-	-	75. 16	36. 00	0. 00	75. 16
3. 90	-	-	-	74. 50	36. 00	0. 00	74. 50
3. 95	-	-	-	73. 84	36. 00	0. 00	73. 84
4. 00	-	-	-	73. 18	36. 00	0. 00	73. 18
4. 05	-	-	-	72. 52	36. 00	0. 00	72. 52
4. 10	-	-	-	71. 86	36. 00	0. 00	71. 86
4. 15	-	-	-	71. 20	36. 00	0. 00	71. 20
4. 20	-	-	-	70. 54	36. 00	0. 00	70. 54
4. 25	-	-	-	69. 88	36. 00	0. 00	69. 88
4. 30	-	-	-	69. 22	36. 00	0. 00	69. 22
4. 35	-	-	-	68. 56	36. 00	0. 00	68. 56
4. 40	-	-	-	67. 90	36. 00	0. 00	67. 90
4. 45	-	-	-	67. 24	36. 00	0. 00	67. 24
4. 50	-	-	-	66. 58	36. 00	0. 00	66. 58
4. 55	-	-	-	65. 92	36. 00	0. 00	65. 92
4. 60	-	-	-	65. 26	36. 00	0. 00	65. 26
4. 65	-	-	-	64. 60	36. 00	0. 00	64. 60
4. 70	-	-	-	63. 94	36. 00	0. 00	63. 94
4. 75	-	-	-	63. 28	36. 00	0. 00	63. 28
4. 80	-	-	-	62. 62	36. 00	0. 00	62. 62
4. 85	-	-	-	61. 96	36. 00	0. 00	61. 96
4. 90	-	-	-	61. 30	36. 00	0. 00	61. 30
4. 95	-	-	-	60. 64	36. 00	0. 00	60. 64
5. 00	-	-	-	59. 99	36. 00	0. 00	59. 99
5. 05	-	-	-	60. 54	35. 88	0. 00	60. 54
5. 10	-	-	-	61. 09	35. 76	0. 00	61. 09
5. 15	-	-	-	61. 65	35. 64	0. 00	61. 65
5. 20	-	-	-	62. 20	35. 52	0. 00	62. 20
5. 25	-	-	-	62. 76	35. 40	0. 00	62. 76
5. 30	-	-	-	63. 31	35. 28	0. 00	63. 31
5. 35	-	-	-	63. 86	35. 16	0. 00	63. 86
5. 40	-	-	-	64. 42	35. 04	0. 00	64. 42
5. 45	-	-	-	64. 95	34. 92	0. 00	64. 95

Li quefy. cal

5. 50	-	-	-	65. 48	34. 80	0. 00	65. 48
5. 55	-	-	-	66. 00	34. 68	0. 00	66. 00
5. 60	-	-	-	66. 53	34. 56	0. 00	66. 53
5. 65	-	-	-	67. 06	34. 44	0. 00	67. 06
5. 70	-	-	-	67. 37	34. 32	0. 00	67. 37
5. 75	-	-	-	67. 63	34. 20	0. 00	67. 63
5. 80	-	-	-	67. 89	34. 08	0. 00	67. 89
5. 85	-	-	-	68. 15	33. 96	0. 00	68. 15
5. 90	-	-	-	68. 41	33. 84	0. 00	68. 41
5. 95	-	-	-	68. 66	33. 72	0. 00	68. 66
6. 00	-	-	-	68. 92	33. 60	0. 00	68. 92
6. 05	-	-	-	69. 17	33. 48	0. 00	69. 17
6. 10	-	-	-	69. 43	33. 36	0. 00	69. 43
6. 15	-	-	-	69. 68	33. 24	0. 00	69. 68
6. 20	-	-	-	69. 93	33. 12	0. 00	69. 93
6. 25	-	-	-	70. 18	33. 00	0. 00	70. 18
6. 30	-	-	-	70. 43	32. 88	0. 00	70. 43
6. 35	-	-	-	70. 68	32. 76	0. 00	70. 68
6. 40	-	-	-	70. 93	32. 64	0. 00	70. 93
6. 45	-	-	-	71. 17	32. 52	0. 00	71. 17
6. 50	-	-	-	71. 42	32. 40	0. 00	71. 42
6. 55	-	-	-	71. 66	32. 28	0. 00	71. 66
6. 60	-	-	-	71. 91	32. 16	0. 00	71. 91
6. 65	-	-	-	72. 15	32. 04	0. 00	72. 15
6. 70	-	-	-	72. 39	31. 92	0. 00	72. 39
6. 75	-	-	-	72. 63	31. 80	0. 00	72. 63
6. 80	-	-	-	72. 87	31. 68	0. 00	72. 87
6. 85	-	-	-	73. 11	31. 56	0. 00	73. 11
6. 90	-	-	-	73. 35	31. 44	0. 00	73. 35
6. 95	-	-	-	73. 58	31. 32	0. 00	73. 58
7. 00	-	-	-	73. 82	31. 20	0. 00	73. 82
7. 05	-	-	-	74. 06	31. 08	0. 00	74. 06
7. 10	-	-	-	74. 29	30. 96	0. 00	74. 29
7. 15	-	-	-	74. 52	30. 84	0. 00	74. 52
7. 20	-	-	-	74. 76	30. 72	0. 00	74. 76
7. 25	-	-	-	74. 99	30. 60	0. 00	74. 99
7. 30	-	-	-	75. 22	30. 48	0. 00	75. 22
7. 35	-	-	-	75. 45	30. 36	0. 00	75. 45
7. 40	-	-	-	75. 68	30. 24	0. 00	75. 68
7. 45	-	-	-	75. 91	30. 12	0. 00	75. 91
7. 50	-	-	-	76. 14	30. 00	0. 00	76. 14
7. 55	-	-	-	76. 37	29. 88	0. 00	76. 37
7. 60	-	-	-	76. 59	29. 76	0. 00	76. 59
7. 65	-	-	-	76. 82	29. 64	0. 00	76. 82
7. 70	-	-	-	77. 04	29. 52	0. 00	77. 04
7. 75	-	-	-	77. 27	29. 40	0. 00	77. 27
7. 80	-	-	-	77. 49	29. 28	0. 00	77. 49
7. 85	-	-	-	77. 71	29. 16	0. 00	77. 71
7. 90	-	-	-	77. 94	29. 04	0. 00	77. 94
7. 95	-	-	-	78. 16	28. 92	0. 00	78. 16
8. 00	-	-	-	78. 38	28. 80	0. 00	78. 38
8. 05	-	-	-	78. 60	28. 68	0. 00	78. 60
8. 10	-	-	-	78. 82	28. 56	0. 00	78. 82
8. 15	-	-	-	79. 04	28. 44	0. 00	79. 04
8. 20	-	-	-	79. 25	28. 32	0. 00	79. 25
8. 25	-	-	-	89. 33	28. 20	0. 00	89. 33
8. 30	-	-	-	89. 58	28. 08	0. 00	89. 58
8. 35	-	-	-	89. 82	27. 96	0. 00	89. 82
8. 40	-	-	-	90. 07	27. 84	0. 00	90. 07
8. 45	-	-	-	90. 32	27. 72	0. 00	90. 32
8. 50	-	-	-	90. 57	27. 60	0. 00	90. 57
8. 55	-	-	-	90. 81	27. 48	0. 00	90. 81
8. 60	-	-	-	91. 06	27. 36	0. 00	91. 06

				Liquefy. cal			
8. 65	-	-	-	91. 30	27. 24	0. 00	91. 30
8. 70	-	-	-	91. 55	27. 12	0. 00	91. 55
8. 75	-	-	-	91. 79	27. 00	0. 00	91. 79
8. 80	-	-	-	92. 03	26. 88	0. 00	92. 03
8. 85	-	-	-	92. 27	26. 76	0. 00	92. 27
8. 90	-	-	-	92. 52	26. 64	0. 00	92. 52
8. 95	-	-	-	92. 76	26. 52	0. 00	92. 76
9. 00	-	-	-	93. 00	26. 40	0. 00	93. 00
9. 05	-	-	-	93. 24	26. 28	0. 00	93. 24
9. 10	-	-	-	93. 47	26. 16	0. 00	93. 47
9. 15	-	-	-	93. 71	26. 04	0. 00	93. 71
9. 20	-	-	-	93. 95	25. 92	0. 00	93. 95
9. 25	-	-	-	94. 19	25. 80	0. 00	94. 19
9. 30	-	-	-	94. 42	25. 68	0. 00	94. 42
9. 35	-	-	-	94. 66	25. 56	0. 00	94. 66
9. 40	-	-	-	94. 89	25. 44	0. 00	94. 89
9. 45	-	-	-	95. 13	25. 32	0. 00	95. 13
9. 50	-	-	-	95. 36	25. 20	0. 00	95. 36
9. 55	-	-	-	95. 60	25. 08	0. 00	95. 60
9. 60	-	-	-	95. 83	24. 96	0. 00	95. 83
9. 65	-	-	-	96. 06	24. 84	0. 00	96. 06
9. 70	-	-	-	96. 29	24. 72	0. 00	96. 29
9. 75	-	-	-	96. 52	24. 60	0. 00	96. 52
9. 80	-	-	-	96. 75	24. 48	0. 00	96. 75
9. 85	-	-	-	96. 98	24. 36	0. 00	96. 98
9. 90	-	-	-	97. 21	24. 24	0. 00	97. 21
9. 95	-	-	-	97. 44	24. 12	0. 00	97. 44
10. 00	-	-	-	97. 67	24. 00	0. 00	97. 67
10. 05	-	-	-	97. 57	24. 16	0. 00	97. 57
10. 10	-	-	-	97. 47	24. 32	0. 00	97. 47
10. 15	-	-	-	97. 37	24. 48	0. 00	97. 37
10. 20	-	-	-	97. 27	24. 64	0. 00	97. 27
10. 25	-	-	-	97. 17	24. 80	0. 00	97. 17
10. 30	-	-	-	97. 08	24. 96	0. 00	97. 08
10. 35	-	-	-	96. 98	25. 12	0. 00	96. 98
10. 40	-	-	-	96. 89	25. 28	0. 00	96. 89
10. 45	-	-	-	96. 79	25. 44	0. 00	96. 79
10. 50	-	-	-	96. 70	25. 60	0. 00	96. 70
10. 55	-	-	-	96. 61	25. 76	0. 00	96. 61
10. 60	-	-	-	96. 52	25. 92	0. 00	96. 52
10. 65	-	-	-	96. 43	26. 08	0. 00	96. 43
10. 70	-	-	-	96. 34	26. 24	0. 00	96. 34
10. 75	-	-	-	96. 25	26. 40	0. 00	96. 25
10. 80	-	-	-	96. 17	26. 56	0. 00	96. 17
10. 85	-	-	-	96. 08	26. 72	0. 00	96. 08
10. 90	-	-	-	95. 99	26. 88	0. 00	95. 99
10. 95	-	-	-	95. 91	27. 04	0. 00	95. 91
11. 00	-	-	-	95. 83	27. 20	0. 00	95. 83
11. 05	-	-	-	95. 74	27. 36	0. 00	95. 74
11. 10	-	-	-	95. 66	27. 52	0. 00	95. 66
11. 15	-	-	-	95. 58	27. 68	0. 00	95. 58
11. 20	-	-	-	95. 50	27. 84	0. 00	95. 50
11. 25	-	-	-	95. 42	28. 00	0. 00	95. 42
11. 30	-	-	-	95. 34	28. 16	0. 00	95. 34
11. 35	-	-	-	95. 26	28. 32	0. 00	95. 26
11. 40	-	-	-	95. 18	28. 48	0. 00	95. 18
11. 45	-	-	-	95. 11	28. 64	0. 00	95. 11
11. 50	-	-	-	95. 03	28. 80	0. 00	95. 03
11. 55	-	-	-	94. 96	28. 96	0. 00	94. 96
11. 60	-	-	-	94. 88	29. 12	0. 00	94. 88
11. 65	-	-	-	94. 81	29. 28	0. 00	94. 81
11. 70	-	-	-	94. 74	29. 44	0. 00	94. 74
11. 75	-	-	-	94. 66	29. 60	0. 00	94. 66

				Li quefy. cal			
11. 80	-	-	-	94. 59	29. 76	0. 00	94. 59
11. 85	-	-	-	94. 52	29. 92	0. 00	94. 52
11. 90	-	-	-	94. 45	30. 08	0. 00	94. 45
11. 95	-	-	-	94. 38	30. 24	0. 00	94. 38
12. 00	-	-	-	94. 31	30. 40	0. 00	94. 31
12. 05	-	-	-	94. 25	30. 56	0. 00	94. 25
12. 10	-	-	-	94. 18	30. 72	0. 00	94. 18
12. 15	-	-	-	94. 11	30. 88	0. 00	94. 11
12. 20	-	-	-	94. 05	31. 04	0. 00	94. 05
12. 25	-	-	-	93. 98	31. 20	0. 00	93. 98
12. 30	-	-	-	93. 92	31. 36	0. 00	93. 92
12. 35	-	-	-	93. 85	31. 52	0. 00	93. 85
12. 40	-	-	-	93. 79	31. 68	0. 00	93. 79
12. 45	-	-	-	93. 73	31. 84	0. 00	93. 73
12. 50	-	-	-	93. 66	32. 00	0. 00	93. 66
12. 55	-	-	-	93. 60	32. 16	0. 00	93. 60
12. 60	-	-	-	93. 54	32. 32	0. 00	93. 54
12. 65	-	-	-	93. 48	32. 48	0. 00	93. 48
12. 70	-	-	-	93. 42	32. 64	0. 00	93. 42
12. 75	-	-	-	93. 36	32. 80	0. 00	93. 36
12. 80	-	-	-	93. 31	32. 96	0. 00	93. 31
12. 85	-	-	-	93. 25	33. 12	0. 00	93. 25
12. 90	-	-	-	93. 19	33. 28	0. 00	93. 19
12. 95	-	-	-	93. 13	33. 44	0. 00	93. 13
13. 00	-	-	-	93. 08	33. 60	0. 00	93. 08
13. 05	-	-	-	93. 02	33. 76	0. 00	93. 02
13. 10	-	-	-	92. 97	33. 92	0. 00	92. 97
13. 15	-	-	-	92. 91	34. 08	0. 00	92. 91
13. 20	-	-	-	92. 86	34. 24	0. 00	92. 86
13. 25	-	-	-	92. 81	34. 40	0. 00	92. 81
13. 30	-	-	-	92. 75	34. 56	0. 00	92. 75
13. 35	-	-	-	92. 70	34. 72	0. 00	92. 70
13. 40	-	-	-	92. 65	34. 88	0. 00	92. 65
13. 45	-	-	-	92. 59	35. 04	0. 00	92. 59
13. 50	-	-	-	92. 50	35. 20	0. 00	92. 50
13. 55	-	-	-	92. 41	35. 36	0. 00	92. 41
13. 60	-	-	-	92. 32	35. 52	0. 00	92. 32
13. 65	-	-	-	92. 23	35. 68	0. 00	92. 23
13. 70	-	-	-	92. 15	35. 84	0. 00	92. 15
13. 75	-	-	-	92. 06	36. 00	0. 00	92. 06
13. 80	-	-	-	91. 97	36. 16	0. 00	91. 97
13. 85	-	-	-	91. 89	36. 32	0. 00	91. 89
13. 90	-	-	-	91. 80	36. 48	0. 00	91. 80
13. 95	-	-	-	91. 72	36. 64	0. 00	91. 72
14. 00	-	-	-	91. 64	36. 80	0. 00	91. 64
14. 05	-	-	-	91. 55	36. 96	0. 00	91. 55
14. 10	-	-	-	91. 47	37. 12	0. 00	91. 47
14. 15	-	-	-	91. 39	37. 28	0. 00	91. 39
14. 20	-	-	-	91. 30	37. 44	0. 00	91. 30
14. 25	-	-	-	91. 22	37. 60	0. 00	91. 22
14. 30	-	-	-	91. 14	37. 76	0. 00	91. 14
14. 35	-	-	-	91. 06	37. 92	0. 00	91. 06
14. 40	-	-	-	90. 98	38. 08	0. 00	90. 98
14. 45	-	-	-	90. 90	38. 24	0. 00	90. 90
14. 50	-	-	-	90. 82	38. 40	0. 00	90. 82
14. 55	-	-	-	90. 74	38. 56	0. 00	90. 74
14. 60	-	-	-	90. 66	38. 72	0. 00	90. 66
14. 65	-	-	-	90. 58	38. 88	0. 00	90. 58
14. 70	-	-	-	90. 51	39. 04	0. 00	90. 51
14. 75	-	-	-	90. 43	39. 20	0. 00	90. 43
14. 80	-	-	-	100. 00	39. 36	0. 00	100. 00
14. 85	-	-	-	100. 00	39. 52	0. 00	100. 00
14. 90	-	-	-	99. 96	39. 68	0. 00	99. 96

Liquefy. cal

14.95	-	-	-	99.88	39.84	0.00	99.88
15.00	-	-	-	99.80	40.00	0.00	99.80
15.05	-	-	-	99.71	40.16	0.00	99.71
15.10	-	-	-	99.63	40.32	0.00	99.63
15.15	-	-	-	99.55	40.48	0.00	99.55
15.20	-	-	-	99.46	40.64	0.00	99.46
15.25	-	-	-	99.38	40.80	0.00	99.38
15.30	-	-	-	99.30	40.96	0.00	99.30
15.35	-	-	-	99.22	41.12	0.00	99.22
15.40	-	-	-	99.14	41.28	0.00	99.14
15.45	-	-	-	99.06	41.44	0.00	99.06
15.50	-	-	-	98.98	41.60	0.00	98.98
15.55	-	-	-	98.90	41.76	0.00	98.90
15.60	-	-	-	98.82	41.92	0.00	98.82
15.65	-	-	-	98.74	42.08	0.00	98.74
15.70	-	-	-	98.66	42.24	0.00	98.66
15.75	-	-	-	98.59	42.40	0.00	98.59
15.80	-	-	-	98.51	42.56	0.00	98.51
15.85	-	-	-	98.43	42.72	0.00	98.43
15.90	-	-	-	98.36	42.88	0.00	98.36
15.95	-	-	-	98.28	43.04	0.00	98.28
16.00	-	-	-	98.20	43.20	0.00	98.20
16.05	-	-	-	98.13	43.36	0.00	98.13
16.10	-	-	-	98.05	43.52	0.00	98.05
16.15	-	-	-	97.98	43.68	0.00	97.98
16.20	-	-	-	97.91	43.84	0.00	97.91
16.25	-	-	-	97.83	44.00	0.00	97.83
16.30	-	-	-	97.76	44.16	0.00	97.76
16.35	-	-	-	97.68	44.32	0.00	97.68
16.40	-	-	-	97.61	44.48	0.00	97.61
16.45	-	-	-	97.54	44.64	0.00	97.54
16.50	-	-	-	97.47	44.80	0.00	97.47
16.55	-	-	-	97.40	44.96	0.00	97.40
16.60	-	-	-	97.32	45.12	0.00	97.32
16.65	-	-	-	97.25	45.28	0.00	97.25
16.70	-	-	-	97.18	45.44	0.00	97.18
16.75	-	-	-	97.11	45.60	0.00	97.11
16.80	-	-	-	97.04	45.76	0.00	97.04
16.85	-	-	-	96.97	45.92	0.00	96.97
16.90	-	-	-	96.90	46.08	0.00	96.90
16.95	-	-	-	96.84	46.24	0.00	96.84
17.00	-	-	-	96.77	46.40	0.00	96.77
17.05	-	-	-	96.70	46.56	0.00	96.70
17.10	-	-	-	96.63	46.72	0.00	96.63
17.15	-	-	-	96.56	46.88	0.00	96.56
17.20	-	-	-	96.50	47.04	0.00	96.50
17.25	-	-	-	96.43	47.20	0.00	96.43
17.30	-	-	-	96.36	47.36	0.00	96.36
17.35	-	-	-	96.30	47.52	0.00	96.30
17.40	-	-	-	96.23	47.68	0.00	96.23
17.45	-	-	-	96.16	47.84	0.00	96.16
17.50	-	-	-	96.10	48.00	0.00	96.10
17.55	-	-	-	96.03	48.16	0.00	96.03
17.60	-	-	-	95.97	48.32	0.00	95.97
17.65	-	-	-	95.91	48.48	0.00	95.91
17.70	-	-	-	95.84	48.64	0.00	95.84
17.75	-	-	-	95.78	48.80	0.00	95.78
17.80	-	-	-	95.71	48.96	0.00	95.71
17.85	-	-	-	95.65	49.12	0.00	95.65
17.90	-	-	-	95.59	49.28	0.00	95.59
17.95	-	-	-	95.53	49.44	0.00	95.53
18.00	-	-	-	95.46	49.60	0.00	95.46
18.05	-	-	-	95.40	49.76	0.00	95.40

				Li quefy. cal			
18. 10	-	-	-	95. 34	49. 92	0. 00	95. 34
18. 15	-	-	-	95. 28	50. 08	0. 00	95. 28
18. 20	-	-	-	95. 22	50. 24	0. 00	95. 22
18. 25	-	-	-	95. 16	50. 40	0. 00	95. 16
18. 30	-	-	-	95. 10	50. 56	0. 00	95. 10
18. 35	-	-	-	95. 04	50. 72	0. 00	95. 04
18. 40	-	-	-	94. 98	50. 88	0. 00	94. 98
18. 45	-	-	-	94. 92	51. 04	0. 00	94. 92
18. 50	-	-	-	94. 86	51. 20	0. 00	94. 86
18. 55	-	-	-	94. 80	51. 36	0. 00	94. 80
18. 60	-	-	-	94. 74	51. 52	0. 00	94. 74
18. 65	-	-	-	94. 68	51. 68	0. 00	94. 68
18. 70	-	-	-	94. 62	51. 84	0. 00	94. 62
18. 75	-	-	-	94. 56	52. 00	0. 00	94. 56
18. 80	-	-	-	94. 51	52. 16	0. 00	94. 51
18. 85	-	-	-	94. 45	52. 32	0. 00	94. 45
18. 90	-	-	-	94. 39	52. 48	0. 00	94. 39
18. 95	-	-	-	94. 33	52. 64	0. 00	94. 33
19. 00	-	-	-	94. 28	52. 80	0. 00	94. 28
19. 05	-	-	-	94. 22	52. 96	0. 00	94. 22
19. 10	-	-	-	94. 16	53. 12	0. 00	94. 16
19. 15	-	-	-	94. 11	53. 28	0. 00	94. 11
19. 20	-	-	-	94. 05	53. 44	0. 00	94. 05
19. 25	-	-	-	94. 00	53. 60	0. 00	94. 00
19. 30	-	-	-	93. 94	53. 76	0. 00	93. 94
19. 35	-	-	-	93. 89	53. 92	0. 00	93. 89
19. 40	-	-	-	93. 83	54. 08	0. 00	93. 83
19. 45	-	-	-	93. 78	54. 24	0. 00	93. 78
19. 50	-	-	-	93. 72	54. 40	0. 00	93. 72
19. 55	-	-	-	93. 67	54. 56	0. 00	93. 67
19. 60	-	-	-	93. 61	54. 72	0. 00	93. 61
19. 65	-	-	-	93. 56	54. 88	0. 00	93. 56
19. 70	-	-	-	93. 51	55. 04	0. 00	93. 51
19. 75	-	-	-	93. 45	55. 20	0. 00	93. 45
19. 80	-	-	-	93. 40	55. 36	0. 00	93. 40
19. 85	-	-	-	93. 35	55. 52	0. 00	93. 35
19. 90	-	-	-	93. 30	55. 68	0. 00	93. 30
19. 95	-	-	-	93. 24	55. 84	0. 00	93. 24
20. 00	-	-	-	93. 19	56. 00	0. 00	93. 19
20. 05	-	-	-	93. 04	55. 94	0. 00	93. 04
20. 10	-	-	-	92. 89	55. 87	0. 00	92. 89
20. 15	-	-	-	92. 74	55. 81	0. 00	92. 74
20. 20	-	-	-	92. 59	55. 74	0. 00	92. 59
20. 25	-	-	-	92. 45	55. 68	0. 00	92. 45
20. 30	-	-	-	92. 30	55. 61	0. 00	92. 30
20. 35	-	-	-	92. 15	55. 55	0. 00	92. 15
20. 40	-	-	-	92. 01	55. 48	0. 00	92. 01
20. 45	-	-	-	91. 86	55. 42	0. 00	91. 86
20. 50	-	-	-	91. 71	55. 35	0. 00	91. 71
20. 55	-	-	-	91. 57	55. 29	0. 00	91. 57
20. 60	-	-	-	91. 43	55. 22	0. 00	91. 43
20. 65	-	-	-	91. 28	55. 16	0. 00	91. 28
20. 70	-	-	-	91. 14	55. 09	0. 00	91. 14
20. 75	-	-	-	91. 00	55. 03	0. 00	91. 00
20. 80	-	-	-	90. 85	54. 96	0. 00	90. 85
20. 85	-	-	-	90. 71	54. 90	0. 00	90. 71
20. 90	-	-	-	90. 57	54. 83	0. 00	90. 57
20. 95	-	-	-	90. 43	54. 77	0. 00	90. 43
21. 00	-	-	-	90. 29	54. 70	0. 00	90. 29
21. 05	-	-	-	90. 15	54. 64	0. 00	90. 15
21. 10	-	-	-	90. 01	54. 57	0. 00	90. 01
21. 15	-	-	-	89. 87	54. 51	0. 00	89. 87
21. 20	-	-	-	89. 74	54. 44	0. 00	89. 74

Liquefy. cal

21. 25	-	-	-	89. 60	54. 38	0. 00	89. 60
21. 30	-	-	-	89. 46	54. 31	0. 00	89. 46
21. 35	-	-	-	89. 33	54. 25	0. 00	89. 33
21. 40	-	-	-	89. 19	54. 18	0. 00	89. 19
21. 45	-	-	-	89. 05	54. 12	0. 00	89. 05
21. 50	-	-	-	88. 92	54. 05	0. 00	88. 92
21. 55	-	-	-	88. 78	53. 99	0. 00	88. 78
21. 60	-	-	-	88. 65	53. 92	0. 00	88. 65
21. 65	-	-	-	88. 52	53. 86	0. 00	88. 52
21. 70	-	-	-	88. 38	53. 79	0. 00	88. 38
21. 75	-	-	-	88. 25	53. 73	0. 00	88. 25
21. 80	-	-	-	88. 12	53. 66	0. 00	88. 12
21. 85	-	-	-	87. 99	53. 60	0. 00	87. 99
21. 90	-	-	-	87. 85	53. 53	0. 00	87. 85
21. 95	-	-	-	87. 72	53. 47	0. 00	87. 72
22. 00	-	-	-	87. 59	53. 40	0. 00	87. 59
22. 05	-	-	-	87. 46	53. 34	0. 00	87. 46
22. 10	-	-	-	87. 33	53. 27	0. 00	87. 33
22. 15	-	-	-	87. 20	53. 21	0. 00	87. 20
22. 20	-	-	-	87. 08	53. 14	0. 00	87. 08
22. 25	-	-	-	86. 95	53. 08	0. 00	86. 95
22. 30	-	-	-	86. 82	53. 01	0. 00	86. 82
22. 35	-	-	-	86. 69	52. 95	0. 00	86. 69
22. 40	-	-	-	86. 57	52. 88	0. 00	86. 57
22. 45	-	-	-	86. 44	52. 82	0. 00	86. 44
22. 50	-	-	-	86. 31	52. 75	0. 00	86. 31
22. 55	-	-	-	86. 19	52. 69	0. 00	86. 19
22. 60	-	-	-	86. 06	52. 62	0. 00	86. 06
22. 65	-	-	-	85. 94	52. 56	0. 00	85. 94
22. 70	-	-	-	85. 81	52. 49	0. 00	85. 81
22. 75	-	-	-	85. 69	52. 43	0. 00	85. 69
22. 80	-	-	-	85. 56	52. 36	0. 00	85. 56
22. 85	-	-	-	85. 44	52. 30	0. 00	85. 44
22. 90	-	-	-	85. 32	52. 23	0. 00	85. 32
22. 95	-	-	-	85. 20	52. 17	0. 00	85. 20
23. 00	-	-	-	85. 07	52. 10	0. 00	85. 07
23. 05	-	-	-	84. 95	52. 04	0. 00	84. 95
23. 10	-	-	-	84. 83	51. 97	0. 00	84. 83
23. 15	-	-	-	84. 71	51. 91	0. 00	84. 71
23. 20	-	-	-	84. 59	51. 84	0. 00	84. 59
23. 25	-	-	-	84. 47	51. 78	0. 00	84. 47
23. 30	-	-	-	84. 35	51. 71	0. 00	84. 35
23. 35	-	-	-	84. 23	51. 65	0. 00	84. 23
23. 40	-	-	-	84. 11	51. 58	0. 00	84. 11
23. 45	-	-	-	83. 99	51. 52	0. 00	83. 99
23. 50	-	-	-	83. 87	51. 45	0. 00	83. 87
23. 55	-	-	-	83. 76	51. 39	0. 00	83. 76
23. 60	-	-	-	83. 64	51. 32	0. 00	83. 64
23. 65	-	-	-	83. 52	51. 26	0. 00	83. 52
23. 70	-	-	-	83. 41	51. 19	0. 00	83. 41
23. 75	-	-	-	83. 29	51. 13	0. 00	83. 29
23. 80	-	-	-	83. 17	51. 06	0. 00	83. 17
23. 85	-	-	-	83. 06	51. 00	0. 00	83. 06
23. 90	-	-	-	82. 94	50. 93	0. 00	82. 94
23. 95	-	-	-	82. 83	50. 87	0. 00	82. 83
24. 00	-	-	-	82. 71	50. 80	0. 00	82. 71
24. 05	-	-	-	82. 60	50. 74	0. 00	82. 60
24. 10	-	-	-	82. 48	50. 67	0. 00	82. 48
24. 15	-	-	-	82. 37	50. 61	0. 00	82. 37
24. 20	-	-	-	82. 26	50. 54	0. 00	82. 26
24. 25	-	-	-	82. 14	50. 48	0. 00	82. 14
24. 30	-	-	-	82. 03	50. 41	0. 00	82. 03
24. 35	-	-	-	81. 92	50. 35	0. 00	81. 92

				Liquefy. cal			
24.40	-	-	-	81.81	50.28	0.00	81.81
24.45	-	-	-	81.70	50.22	0.00	81.70
24.50	-	-	-	81.59	50.15	0.00	81.59
24.55	-	-	-	81.47	50.09	0.00	81.47
24.60	-	-	-	81.36	50.02	0.00	81.36
24.65	-	-	-	81.25	49.96	0.00	81.25
24.70	-	-	-	81.14	49.89	0.00	81.14
24.75	-	-	-	81.03	49.83	0.00	81.03
24.80	-	-	-	80.93	49.76	0.00	80.93
24.85	-	-	-	80.82	49.70	0.00	80.82
24.90	-	-	-	80.71	49.63	0.00	80.71
24.95	-	-	-	80.60	49.57	0.00	80.60
25.00	-	-	-	80.49	49.50	0.00	80.49
25.05	-	-	-	80.38	49.44	0.00	80.38
25.10	-	-	-	80.28	49.37	0.00	80.28
25.15	-	-	-	80.17	49.31	0.00	80.17
25.20	-	-	-	80.06	49.24	0.00	80.06
25.25	-	-	-	79.96	49.18	0.00	79.96
25.30	-	-	-	79.85	49.11	0.00	79.85
25.35	-	-	-	79.74	49.05	0.00	79.74
25.40	-	-	-	79.64	48.98	0.00	79.64
25.45	-	-	-	79.53	48.92	0.00	79.53
25.50	-	-	-	79.43	48.85	0.00	79.43
25.55	-	-	-	79.33	48.79	0.00	79.33
25.60	-	-	-	79.22	48.72	0.00	79.22
25.65	-	-	-	79.12	48.66	0.00	79.12
25.70	-	-	-	79.01	48.59	0.00	79.01
25.75	-	-	-	78.91	48.53	0.00	78.91
25.80	-	-	-	78.81	48.46	0.00	78.81
25.85	-	-	-	78.70	48.40	0.00	78.70
25.90	-	-	-	78.60	48.33	0.00	78.60
25.95	-	-	-	78.50	48.27	0.00	78.50
26.00	-	-	-	78.40	48.20	0.00	78.40
26.05	-	-	-	78.30	48.14	0.00	78.30
26.10	-	-	-	78.19	48.07	0.00	78.19
26.15	-	-	-	78.09	48.01	0.00	78.09
26.20	-	-	-	77.99	47.94	0.00	77.99
26.25	-	-	-	77.89	47.88	0.00	77.89
26.30	-	-	-	77.79	47.81	0.00	77.79
26.35	-	-	-	77.69	47.75	0.00	77.69
26.40	-	-	-	77.59	47.68	0.00	77.59
26.45	-	-	-	77.49	47.62	0.00	77.49
26.50	-	-	-	77.39	47.55	0.00	77.39
26.55	-	-	-	77.30	47.49	0.00	77.30
26.60	-	-	-	77.20	47.42	0.00	77.20
26.65	-	-	-	77.10	47.36	0.00	77.10
26.70	-	-	-	77.00	47.29	0.00	77.00
26.75	-	-	-	76.90	47.23	0.00	76.90
26.80	-	-	-	76.81	47.16	0.00	76.81
26.85	-	-	-	76.71	47.10	0.00	76.71
26.90	-	-	-	76.61	47.03	0.00	76.61
26.95	-	-	-	76.51	46.97	0.00	76.51
27.00	-	-	-	76.42	46.90	0.00	76.42
27.05	-	-	-	76.32	46.84	0.00	76.32
27.10	-	-	-	76.23	46.77	0.00	76.23
27.15	-	-	-	76.13	46.71	0.00	76.13
27.20	-	-	-	76.03	46.64	0.00	76.03
27.25	-	-	-	75.94	46.58	0.00	75.94
27.30	-	-	-	75.84	46.51	0.00	75.84
27.35	-	-	-	75.75	46.45	0.00	75.75
27.40	-	-	-	75.66	46.38	0.00	75.66
27.45	-	-	-	75.56	46.32	0.00	75.56
27.50	-	-	-	75.47	46.25	0.00	75.47

				Liquefy. cal			
27.55	-	-	-	75.37	46.19	0.00	75.37
27.60	-	-	-	75.28	46.12	0.00	75.28
27.65	-	-	-	75.19	46.06	0.00	75.19
27.70	-	-	-	75.09	45.99	0.00	75.09
27.75	-	-	-	75.00	45.93	0.00	75.00
27.80	-	-	-	74.91	45.86	0.00	74.91
27.85	-	-	-	74.82	45.80	0.00	74.82
27.90	-	-	-	78.28	45.73	0.00	78.28
27.95	-	-	-	78.18	45.67	0.00	78.18
28.00	-	-	-	78.09	45.60	0.00	78.09
28.05	-	-	-	77.99	45.54	0.00	77.99
28.10	-	-	-	77.89	45.47	0.00	77.89
28.15	-	-	-	77.80	45.41	0.00	77.80
28.20	-	-	-	77.70	45.34	0.00	77.70
28.25	-	-	-	77.61	45.28	0.00	77.61
28.30	-	-	-	77.51	45.21	0.00	77.51
28.35	-	-	-	77.42	45.15	0.00	77.42
28.40	-	-	-	77.32	45.08	0.00	77.32
28.45	-	-	-	77.23	45.02	0.00	77.23
28.50	-	-	-	77.13	44.95	0.00	77.13
28.55	-	-	-	77.04	44.89	0.00	77.04
28.60	-	-	-	76.95	44.82	0.00	76.95
28.65	-	-	-	76.85	44.76	0.00	76.85
28.70	-	-	-	76.76	44.69	0.00	76.76
28.75	-	-	-	76.67	44.63	0.00	76.67
28.80	-	-	-	76.58	44.56	0.00	76.58
28.85	-	-	-	76.48	44.50	0.00	76.48
28.90	-	-	-	76.39	44.43	0.00	76.39
28.95	-	-	-	76.30	44.37	0.00	76.30
29.00	-	-	-	76.21	44.30	0.00	76.21
29.05	-	-	-	76.12	44.24	0.00	76.12
29.10	-	-	-	76.03	44.17	0.00	76.03
29.15	-	-	-	75.93	44.11	0.00	75.93
29.20	-	-	-	75.84	44.04	0.00	75.84
29.25	-	-	-	75.75	43.98	0.00	75.75
29.30	-	-	-	75.66	43.91	0.00	75.66
29.35	-	-	-	75.57	43.85	0.00	75.57
29.40	-	-	-	75.48	43.78	0.00	75.48
29.45	-	-	-	75.39	43.72	0.00	75.39
29.50	-	-	-	75.30	43.65	0.00	75.30
29.55	-	-	-	75.21	43.59	0.00	75.21
29.60	-	-	-	75.13	43.52	0.00	75.13
29.65	-	-	-	75.04	43.46	0.00	75.04
29.70	-	-	-	74.95	43.39	0.00	74.95
29.75	-	-	-	74.86	43.33	0.00	74.86
29.80	-	-	-	74.77	43.26	0.00	74.77
29.85	-	-	-	74.68	43.20	0.00	74.68
29.90	-	-	-	74.60	43.13	0.00	74.60
29.95	-	-	-	74.51	43.07	0.00	74.51
30.00	-	-	-	74.42	43.00	0.00	74.42

(N1)60s has been fines corrected in liquefaction analysis, therefore
 $d(N1)60=0$.
 Fines=NoLi q means the soils are not liquefiable.

Settlement of Saturated Sands:										
Settlement Analysis Method: Tokimatsu, M-correction										
dsp	Depth	CSRsf	/ MSF*	=CSRm	F. S.	Fines	(N1)60s	Dr	ec	dsz
	S					%		%	%	in.
in.	ft									

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No Settlement of Saturated Sands

Settlement of Saturated Sands=0.000 in.
 qc1 and (N1)60 is after fines correction in Liquefaction analysis
 dsz is per each segment, dz=0.05 ft
 dsp is per each print interval, dp=0.05 ft
 S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

ec	Depth dsz ft in.	sigma' dsp atm in.	sigC' S atm in.	(N1)60s	CSRsf	Gmax atm	g*Ge/Gm	g_eff	ec7.5 %	Cec
	29.95	1.83	1.19	74.51	0.44	2051.01	3.9E-4	0.1083	0.0343	0.81
0.0276	3.31E-4	0.000	0.000							
	29.90	1.83	1.19	74.60	0.44	2050.07	3.9E-4	0.1080	0.0342	0.81
0.0275	3.30E-4	0.000	0.001							
	29.85	1.83	1.19	74.68	0.44	2049.14	3.9E-4	0.1077	0.0341	0.81
0.0274	3.29E-4	0.000	0.001							
	29.80	1.82	1.19	74.77	0.44	2048.20	3.9E-4	0.1074	0.0340	0.81
0.0274	3.28E-4	0.000	0.001							
	29.75	1.82	1.18	74.86	0.44	2047.27	3.9E-4	0.1071	0.0339	0.81
0.0273	3.27E-4	0.000	0.002							
	29.70	1.82	1.18	74.95	0.44	2046.33	3.9E-4	0.1068	0.0338	0.81
0.0272	3.27E-4	0.000	0.002							
	29.65	1.81	1.18	75.04	0.44	2045.39	3.9E-4	0.1065	0.0337	0.81
0.0271	3.26E-4	0.000	0.002							
	29.60	1.81	1.18	75.13	0.44	2044.44	3.9E-4	0.1062	0.0336	0.81
0.0271	3.25E-4	0.000	0.003							
	29.55	1.81	1.18	75.21	0.44	2043.50	3.9E-4	0.1058	0.0335	0.81
0.0270	3.24E-4	0.000	0.003							
	29.50	1.80	1.17	75.30	0.44	2042.55	3.9E-4	0.1055	0.0334	0.81
0.0269	3.23E-4	0.000	0.003							
	29.45	1.80	1.17	75.39	0.44	2041.60	3.9E-4	0.1052	0.0333	0.81
0.0268	3.22E-4	0.000	0.004							
	29.40	1.80	1.17	75.48	0.44	2040.65	3.9E-4	0.1049	0.0332	0.81
0.0267	3.21E-4	0.000	0.004							
	29.35	1.80	1.17	75.57	0.44	2039.70	3.9E-4	0.1046	0.0331	0.81
0.0267	3.20E-4	0.000	0.004							
	29.30	1.79	1.17	75.66	0.44	2038.74	3.9E-4	0.1043	0.0330	0.81
0.0266	3.19E-4	0.000	0.005							
	29.25	1.79	1.16	75.75	0.44	2037.79	3.9E-4	0.1040	0.0329	0.81
0.0265	3.18E-4	0.000	0.005							
	29.20	1.79	1.16	75.84	0.44	2036.83	3.9E-4	0.1037	0.0328	0.81
0.0264	3.17E-4	0.000	0.005							
	29.15	1.78	1.16	75.93	0.44	2035.87	3.9E-4	0.1034	0.0327	0.81
0.0264	3.16E-4	0.000	0.006							
	29.10	1.78	1.16	76.03	0.44	2034.90	3.9E-4	0.1031	0.0326	0.81
0.0263	3.15E-4	0.000	0.006							
	29.05	1.78	1.15	76.12	0.44	2033.94	3.9E-4	0.1028	0.0325	0.81
0.0262	3.14E-4	0.000	0.006							
	29.00	1.77	1.15	76.21	0.44	2032.97	3.9E-4	0.1025	0.0324	0.81
0.0261	3.14E-4	0.000	0.006							
	28.95	1.77	1.15	76.30	0.44	2032.00	3.9E-4	0.1022	0.0323	0.81
0.0261	3.13E-4	0.000	0.007							
	28.90	1.77	1.15	76.39	0.44	2031.03	3.8E-4	0.1019	0.0322	0.81

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0. 0260	3. 12E-4	0. 000	0. 007								
	28. 85	1. 76	1. 15	76. 48	0. 44	2030. 06	3. 8E-4	0. 1016	0. 0321	0. 81	
0. 0259	3. 11E-4	0. 000	0. 007								
	28. 80	1. 76	1. 14	76. 58	0. 44	2029. 09	3. 8E-4	0. 1013	0. 0320	0. 81	
0. 0258	3. 10E-4	0. 000	0. 008								
	28. 75	1. 76	1. 14	76. 67	0. 44	2028. 11	3. 8E-4	0. 1010	0. 0320	0. 81	
0. 0258	3. 09E-4	0. 000	0. 008								
	28. 70	1. 76	1. 14	76. 76	0. 44	2027. 13	3. 8E-4	0. 1007	0. 0319	0. 81	
0. 0257	3. 08E-4	0. 000	0. 008								
	28. 65	1. 75	1. 14	76. 85	0. 44	2026. 15	3. 8E-4	0. 1005	0. 0318	0. 81	
0. 0256	3. 07E-4	0. 000	0. 009								
	28. 60	1. 75	1. 14	76. 95	0. 44	2025. 17	3. 8E-4	0. 1002	0. 0317	0. 81	
0. 0255	3. 06E-4	0. 000	0. 009								
	28. 55	1. 75	1. 13	77. 04	0. 44	2024. 18	3. 8E-4	0. 0999	0. 0316	0. 81	
0. 0255	3. 05E-4	0. 000	0. 009								
	28. 50	1. 74	1. 13	77. 13	0. 44	2023. 20	3. 8E-4	0. 0996	0. 0315	0. 81	
0. 0254	3. 05E-4	0. 000	0. 010								
	28. 45	1. 74	1. 13	77. 23	0. 44	2022. 21	3. 8E-4	0. 0993	0. 0314	0. 81	
0. 0253	3. 04E-4	0. 000	0. 010								
	28. 40	1. 74	1. 13	77. 32	0. 44	2021. 22	3. 8E-4	0. 0990	0. 0313	0. 81	
0. 0252	3. 03E-4	0. 000	0. 010								
	28. 35	1. 73	1. 13	77. 42	0. 44	2020. 23	3. 8E-4	0. 0987	0. 0312	0. 81	
0. 0252	3. 02E-4	0. 000	0. 010								
	28. 30	1. 73	1. 12	77. 51	0. 44	2019. 23	3. 8E-4	0. 0984	0. 0311	0. 81	
0. 0251	3. 01E-4	0. 000	0. 011								
	28. 25	1. 73	1. 12	77. 61	0. 44	2018. 23	3. 8E-4	0. 0981	0. 0310	0. 81	
0. 0250	3. 00E-4	0. 000	0. 011								
	28. 20	1. 72	1. 12	77. 70	0. 44	2017. 23	3. 8E-4	0. 0978	0. 0309	0. 81	
0. 0249	2. 99E-4	0. 000	0. 011								
	28. 15	1. 72	1. 12	77. 80	0. 44	2016. 23	3. 8E-4	0. 0975	0. 0308	0. 81	
0. 0249	2. 98E-4	0. 000	0. 012								
	28. 10	1. 72	1. 12	77. 89	0. 44	2015. 23	3. 8E-4	0. 0973	0. 0308	0. 81	
0. 0248	2. 97E-4	0. 000	0. 012								
	28. 05	1. 71	1. 11	77. 99	0. 44	2014. 23	3. 8E-4	0. 0970	0. 0307	0. 81	
0. 0247	2. 97E-4	0. 000	0. 012								
	28. 00	1. 71	1. 11	78. 09	0. 44	2013. 22	3. 8E-4	0. 0967	0. 0306	0. 81	
0. 0246	2. 96E-4	0. 000	0. 013								
	27. 95	1. 71	1. 11	78. 18	0. 44	2012. 21	3. 8E-4	0. 0964	0. 0305	0. 81	
0. 0246	2. 95E-4	0. 000	0. 013								
	27. 90	1. 71	1. 11	78. 28	0. 44	2011. 20	3. 8E-4	0. 0961	0. 0304	0. 81	
0. 0245	2. 94E-4	0. 000	0. 013								
	27. 85	1. 70	1. 11	74. 82	0. 44	1979. 32	3. 8E-4	0. 0996	0. 0315	0. 81	
0. 0254	3. 05E-4	0. 000	0. 013								
	27. 80	1. 70	1. 10	74. 91	0. 44	1978. 31	3. 8E-4	0. 0993	0. 0314	0. 81	
0. 0253	3. 04E-4	0. 000	0. 014								
	27. 75	1. 70	1. 10	75. 00	0. 44	1977. 31	3. 8E-4	0. 0990	0. 0313	0. 81	
0. 0252	3. 03E-4	0. 000	0. 014								
	27. 70	1. 69	1. 10	75. 09	0. 44	1976. 30	3. 8E-4	0. 0987	0. 0312	0. 81	
0. 0252	3. 02E-4	0. 000	0. 014								
	27. 65	1. 69	1. 10	75. 19	0. 44	1975. 29	3. 8E-4	0. 0984	0. 0311	0. 81	
0. 0251	3. 01E-4	0. 000	0. 015								
	27. 60	1. 69	1. 10	75. 28	0. 44	1974. 28	3. 8E-4	0. 0981	0. 0310	0. 81	
0. 0250	3. 00E-4	0. 000	0. 015								
	27. 55	1. 68	1. 09	75. 37	0. 44	1973. 26	3. 8E-4	0. 0978	0. 0309	0. 81	
0. 0249	2. 99E-4	0. 000	0. 015								
	27. 50	1. 68	1. 09	75. 47	0. 44	1972. 25	3. 8E-4	0. 0975	0. 0308	0. 81	
0. 0248	2. 98E-4	0. 000	0. 016								
	27. 45	1. 68	1. 09	75. 56	0. 44	1971. 23	3. 8E-4	0. 0972	0. 0307	0. 81	
0. 0248	2. 97E-4	0. 000	0. 016								
	27. 40	1. 67	1. 09	75. 66	0. 44	1970. 21	3. 8E-4	0. 0969	0. 0306	0. 81	
0. 0247	2. 96E-4	0. 000	0. 016								
	27. 35	1. 67	1. 09	75. 75	0. 44	1969. 18	3. 8E-4	0. 0966	0. 0306	0. 81	
0. 0246	2. 95E-4	0. 000	0. 016								

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	27. 30	1. 67	1. 08	75. 84	0. 44	1968. 16	3. 8E-4	0. 0963	0. 0305	0. 81
0. 0245	2. 95E-4	0. 000	0. 017							
	27. 25	1. 66	1. 08	75. 94	0. 44	1967. 13	3. 8E-4	0. 0960	0. 0304	0. 81
0. 0245	2. 94E-4	0. 000	0. 017							
	27. 20	1. 66	1. 08	76. 03	0. 44	1966. 10	3. 8E-4	0. 0957	0. 0303	0. 81
0. 0244	2. 93E-4	0. 000	0. 017							
	27. 15	1. 66	1. 08	76. 13	0. 44	1965. 07	3. 7E-4	0. 0954	0. 0302	0. 81
0. 0243	2. 92E-4	0. 000	0. 018							
	27. 10	1. 66	1. 08	76. 23	0. 44	1964. 04	3. 7E-4	0. 0952	0. 0301	0. 81
0. 0243	2. 91E-4	0. 000	0. 018							
	27. 05	1. 65	1. 07	76. 32	0. 44	1963. 00	3. 7E-4	0. 0949	0. 0300	0. 81
0. 0242	2. 90E-4	0. 000	0. 018							
	27. 00	1. 65	1. 07	76. 42	0. 44	1961. 97	3. 7E-4	0. 0946	0. 0299	0. 81
0. 0241	2. 89E-4	0. 000	0. 018							
	26. 95	1. 65	1. 07	76. 51	0. 44	1960. 93	3. 7E-4	0. 0943	0. 0298	0. 81
0. 0240	2. 88E-4	0. 000	0. 019							
	26. 90	1. 64	1. 07	76. 61	0. 44	1959. 88	3. 7E-4	0. 0940	0. 0297	0. 81
0. 0240	2. 87E-4	0. 000	0. 019							
	26. 85	1. 64	1. 07	76. 71	0. 44	1958. 84	3. 7E-4	0. 0937	0. 0296	0. 81
0. 0239	2. 87E-4	0. 000	0. 019							
	26. 80	1. 64	1. 06	76. 81	0. 44	1957. 79	3. 7E-4	0. 0934	0. 0295	0. 81
0. 0238	2. 86E-4	0. 000	0. 020							
	26. 75	1. 63	1. 06	76. 90	0. 44	1956. 74	3. 7E-4	0. 0931	0. 0295	0. 81
0. 0237	2. 85E-4	0. 000	0. 020							
	26. 70	1. 63	1. 06	77. 00	0. 44	1955. 69	3. 7E-4	0. 0929	0. 0294	0. 81
0. 0237	2. 84E-4	0. 000	0. 020							
	26. 65	1. 63	1. 06	77. 10	0. 44	1954. 64	3. 7E-4	0. 0926	0. 0293	0. 81
0. 0236	2. 83E-4	0. 000	0. 020							
	26. 60	1. 62	1. 06	77. 20	0. 44	1953. 58	3. 7E-4	0. 0923	0. 0292	0. 81
0. 0235	2. 82E-4	0. 000	0. 021							
	26. 55	1. 62	1. 05	77. 30	0. 44	1952. 53	3. 7E-4	0. 0920	0. 0291	0. 81
0. 0234	2. 81E-4	0. 000	0. 021							
	26. 50	1. 62	1. 05	77. 39	0. 44	1951. 47	3. 7E-4	0. 0917	0. 0290	0. 81
0. 0234	2. 81E-4	0. 000	0. 021							
	26. 45	1. 61	1. 05	77. 49	0. 44	1950. 40	3. 7E-4	0. 0914	0. 0289	0. 81
0. 0233	2. 80E-4	0. 000	0. 022							
	26. 40	1. 61	1. 05	77. 59	0. 45	1949. 34	3. 7E-4	0. 0912	0. 0288	0. 81
0. 0232	2. 79E-4	0. 000	0. 022							
	26. 35	1. 61	1. 05	77. 69	0. 45	1948. 27	3. 7E-4	0. 0909	0. 0287	0. 81
0. 0232	2. 78E-4	0. 000	0. 022							
	26. 30	1. 61	1. 04	77. 79	0. 45	1947. 21	3. 7E-4	0. 0906	0. 0286	0. 81
0. 0231	2. 77E-4	0. 000	0. 022							
	26. 25	1. 60	1. 04	77. 89	0. 45	1946. 13	3. 7E-4	0. 0903	0. 0286	0. 81
0. 0230	2. 76E-4	0. 000	0. 023							
	26. 20	1. 60	1. 04	77. 99	0. 45	1945. 06	3. 7E-4	0. 0900	0. 0285	0. 81
0. 0229	2. 75E-4	0. 000	0. 023							
	26. 15	1. 60	1. 04	78. 09	0. 45	1943. 99	3. 7E-4	0. 0898	0. 0284	0. 81
0. 0229	2. 75E-4	0. 000	0. 023							
	26. 10	1. 59	1. 04	78. 19	0. 45	1942. 91	3. 7E-4	0. 0895	0. 0283	0. 81
0. 0228	2. 74E-4	0. 000	0. 024							
	26. 05	1. 59	1. 03	78. 30	0. 45	1941. 83	3. 6E-4	0. 0892	0. 0282	0. 81
0. 0227	2. 73E-4	0. 000	0. 024							
	26. 00	1. 59	1. 03	78. 40	0. 45	1940. 74	3. 6E-4	0. 0889	0. 0281	0. 81
0. 0227	2. 72E-4	0. 000	0. 024							
	25. 95	1. 58	1. 03	78. 50	0. 45	1939. 66	3. 6E-4	0. 0886	0. 0280	0. 81
0. 0226	2. 71E-4	0. 000	0. 024							
	25. 90	1. 58	1. 03	78. 60	0. 45	1938. 57	3. 6E-4	0. 0884	0. 0279	0. 81
0. 0225	2. 70E-4	0. 000	0. 025							
	25. 85	1. 58	1. 02	78. 70	0. 45	1937. 48	3. 6E-4	0. 0881	0. 0279	0. 81
0. 0225	2. 69E-4	0. 000	0. 025							
	25. 80	1. 57	1. 02	78. 81	0. 45	1936. 39	3. 6E-4	0. 0878	0. 0278	0. 81
0. 0224	2. 69E-4	0. 000	0. 025							
	25. 75	1. 57	1. 02	78. 91	0. 45	1935. 30	3. 6E-4	0. 0875	0. 0277	0. 81

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0. 0223	2. 68E-4	0. 000	0. 025								
	25. 70	1. 57	1. 02	79. 01	0. 45	1934. 20	3. 6E-4	0. 0873	0. 0276	0. 81	
0. 0222	2. 67E-4	0. 000	0. 026								
	25. 65	1. 56	1. 02	79. 12	0. 45	1933. 10	3. 6E-4	0. 0870	0. 0275	0. 81	
0. 0222	2. 66E-4	0. 000	0. 026								
	25. 60	1. 56	1. 01	79. 22	0. 45	1932. 00	3. 6E-4	0. 0867	0. 0274	0. 81	
0. 0221	2. 65E-4	0. 000	0. 026								
	25. 55	1. 56	1. 01	79. 33	0. 45	1930. 90	3. 6E-4	0. 0865	0. 0273	0. 81	
0. 0220	2. 64E-4	0. 000	0. 026								
	25. 50	1. 55	1. 01	79. 43	0. 45	1929. 79	3. 6E-4	0. 0862	0. 0273	0. 81	
0. 0220	2. 64E-4	0. 000	0. 027								
	25. 45	1. 55	1. 01	79. 53	0. 45	1928. 68	3. 6E-4	0. 0859	0. 0272	0. 81	
0. 0219	2. 63E-4	0. 000	0. 027								
	25. 40	1. 55	1. 01	79. 64	0. 45	1927. 57	3. 6E-4	0. 0856	0. 0271	0. 81	
0. 0218	2. 62E-4	0. 000	0. 027								
	25. 35	1. 55	1. 00	79. 74	0. 45	1926. 46	3. 6E-4	0. 0854	0. 0270	0. 81	
0. 0218	2. 61E-4	0. 000	0. 028								
	25. 30	1. 54	1. 00	79. 85	0. 45	1925. 34	3. 6E-4	0. 0851	0. 0269	0. 81	
0. 0217	2. 60E-4	0. 000	0. 028								
	25. 25	1. 54	1. 00	79. 96	0. 45	1924. 23	3. 6E-4	0. 0848	0. 0268	0. 81	
0. 0216	2. 59E-4	0. 000	0. 028								
	25. 20	1. 54	1. 00	80. 06	0. 45	1923. 11	3. 6E-4	0. 0846	0. 0267	0. 81	
0. 0216	2. 59E-4	0. 000	0. 028								
	25. 15	1. 53	1. 00	80. 17	0. 45	1921. 98	3. 6E-4	0. 0843	0. 0267	0. 81	
0. 0215	2. 58E-4	0. 000	0. 029								
	25. 10	1. 53	0. 99	80. 28	0. 45	1920. 86	3. 6E-4	0. 0840	0. 0266	0. 81	
0. 0214	2. 57E-4	0. 000	0. 029								
	25. 05	1. 53	0. 99	80. 38	0. 45	1919. 73	3. 6E-4	0. 0838	0. 0265	0. 81	
0. 0214	2. 56E-4	0. 000	0. 029								
	25. 00	1. 52	0. 99	80. 49	0. 45	1918. 60	3. 5E-4	0. 0835	0. 0264	0. 81	
0. 0213	2. 55E-4	0. 000	0. 029								
	24. 95	1. 52	0. 99	80. 60	0. 45	1917. 47	3. 5E-4	0. 0832	0. 0263	0. 81	
0. 0212	2. 55E-4	0. 000	0. 030								
	24. 90	1. 52	0. 99	80. 71	0. 45	1916. 33	3. 5E-4	0. 0830	0. 0262	0. 81	
0. 0211	2. 54E-4	0. 000	0. 030								
	24. 85	1. 51	0. 98	80. 82	0. 45	1915. 20	3. 5E-4	0. 0827	0. 0262	0. 81	
0. 0211	2. 53E-4	0. 000	0. 030								
	24. 80	1. 51	0. 98	80. 93	0. 45	1914. 06	3. 5E-4	0. 0825	0. 0261	0. 81	
0. 0210	2. 52E-4	0. 000	0. 030								
	24. 75	1. 51	0. 98	81. 03	0. 45	1912. 91	3. 5E-4	0. 0822	0. 0260	0. 81	
0. 0209	2. 51E-4	0. 000	0. 031								
	24. 70	1. 50	0. 98	81. 14	0. 45	1911. 77	3. 5E-4	0. 0819	0. 0259	0. 81	
0. 0209	2. 51E-4	0. 000	0. 031								
	24. 65	1. 50	0. 98	81. 25	0. 45	1910. 62	3. 5E-4	0. 0817	0. 0258	0. 81	
0. 0208	2. 50E-4	0. 000	0. 031								
	24. 60	1. 50	0. 97	81. 36	0. 45	1909. 47	3. 5E-4	0. 0814	0. 0257	0. 81	
0. 0207	2. 49E-4	0. 000	0. 031								
	24. 55	1. 49	0. 97	81. 47	0. 45	1908. 32	3. 5E-4	0. 0811	0. 0257	0. 81	
0. 0207	2. 48E-4	0. 000	0. 032								
	24. 50	1. 49	0. 97	81. 59	0. 45	1907. 16	3. 5E-4	0. 0809	0. 0256	0. 81	
0. 0206	2. 47E-4	0. 000	0. 032								
	24. 45	1. 49	0. 97	81. 70	0. 45	1906. 01	3. 5E-4	0. 0806	0. 0255	0. 81	
0. 0205	2. 47E-4	0. 000	0. 032								
	24. 40	1. 49	0. 97	81. 81	0. 45	1904. 85	3. 5E-4	0. 0804	0. 0254	0. 81	
0. 0205	2. 46E-4	0. 000	0. 032								
	24. 35	1. 48	0. 96	81. 92	0. 45	1903. 68	3. 5E-4	0. 0801	0. 0253	0. 81	
0. 0204	2. 45E-4	0. 000	0. 033								
	24. 30	1. 48	0. 96	82. 03	0. 45	1902. 52	3. 5E-4	0. 0799	0. 0253	0. 81	
0. 0204	2. 44E-4	0. 000	0. 033								
	24. 25	1. 48	0. 96	82. 14	0. 45	1901. 35	3. 5E-4	0. 0796	0. 0252	0. 81	
0. 0203	2. 43E-4	0. 000	0. 033								
	24. 20	1. 47	0. 96	82. 26	0. 45	1900. 18	3. 5E-4	0. 0793	0. 0251	0. 81	
0. 0202	2. 43E-4	0. 000	0. 033								

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	24. 15	1. 47	0. 96	82. 37	0. 45	1899. 01	3. 5E-4	0. 0791	0. 0250	0. 81
0. 0202	2. 42E-4	0. 000	0. 034							
	24. 10	1. 47	0. 95	82. 48	0. 45	1897. 83	3. 5E-4	0. 0788	0. 0249	0. 81
0. 0201	2. 41E-4	0. 000	0. 034							
	24. 05	1. 46	0. 95	82. 60	0. 45	1896. 65	3. 5E-4	0. 0786	0. 0248	0. 81
0. 0200	2. 40E-4	0. 000	0. 034							
	24. 00	1. 46	0. 95	82. 71	0. 45	1895. 47	3. 4E-4	0. 0783	0. 0248	0. 81
0. 0200	2. 40E-4	0. 000	0. 034							
	23. 95	1. 46	0. 95	82. 83	0. 45	1894. 29	3. 4E-4	0. 0781	0. 0247	0. 81
0. 0199	2. 39E-4	0. 000	0. 035							
	23. 90	1. 45	0. 94	82. 94	0. 45	1893. 10	3. 4E-4	0. 0778	0. 0246	0. 81
0. 0198	2. 38E-4	0. 000	0. 035							
	23. 85	1. 45	0. 94	83. 06	0. 45	1891. 92	3. 4E-4	0. 0776	0. 0245	0. 81
0. 0198	2. 37E-4	0. 000	0. 035							
	23. 80	1. 45	0. 94	83. 17	0. 45	1890. 72	3. 4E-4	0. 0773	0. 0244	0. 81
0. 0197	2. 36E-4	0. 000	0. 035							
	23. 75	1. 44	0. 94	83. 29	0. 45	1889. 53	3. 4E-4	0. 0771	0. 0244	0. 81
0. 0196	2. 36E-4	0. 000	0. 035							
	23. 70	1. 44	0. 94	83. 41	0. 45	1888. 33	3. 4E-4	0. 0768	0. 0243	0. 81
0. 0196	2. 35E-4	0. 000	0. 036							
	23. 65	1. 44	0. 93	83. 52	0. 45	1887. 13	3. 4E-4	0. 0766	0. 0242	0. 81
0. 0195	2. 34E-4	0. 000	0. 036							
	23. 60	1. 43	0. 93	83. 64	0. 45	1885. 93	3. 4E-4	0. 0763	0. 0241	0. 81
0. 0194	2. 33E-4	0. 000	0. 036							
	23. 55	1. 43	0. 93	83. 76	0. 45	1884. 73	3. 4E-4	0. 0761	0. 0241	0. 81
0. 0194	2. 33E-4	0. 000	0. 036							
	23. 50	1. 43	0. 93	83. 87	0. 45	1883. 52	3. 4E-4	0. 0758	0. 0240	0. 81
0. 0193	2. 32E-4	0. 000	0. 037							
	23. 45	1. 43	0. 93	83. 99	0. 45	1882. 31	3. 4E-4	0. 0756	0. 0239	0. 81
0. 0193	2. 31E-4	0. 000	0. 037							
	23. 40	1. 42	0. 92	84. 11	0. 45	1881. 10	3. 4E-4	0. 0753	0. 0238	0. 81
0. 0192	2. 30E-4	0. 000	0. 037							
	23. 35	1. 42	0. 92	84. 23	0. 45	1879. 88	3. 4E-4	0. 0751	0. 0237	0. 81
0. 0191	2. 30E-4	0. 000	0. 037							
	23. 30	1. 42	0. 92	84. 35	0. 45	1878. 66	3. 4E-4	0. 0748	0. 0237	0. 81
0. 0191	2. 29E-4	0. 000	0. 038							
	23. 25	1. 41	0. 92	84. 47	0. 45	1877. 44	3. 4E-4	0. 0746	0. 0236	0. 81
0. 0190	2. 28E-4	0. 000	0. 038							
	23. 20	1. 41	0. 92	84. 59	0. 45	1876. 22	3. 4E-4	0. 0743	0. 0235	0. 81
0. 0189	2. 27E-4	0. 000	0. 038							
	23. 15	1. 41	0. 91	84. 71	0. 45	1874. 99	3. 4E-4	0. 0741	0. 0234	0. 81
0. 0189	2. 27E-4	0. 000	0. 038							
	23. 10	1. 40	0. 91	84. 83	0. 45	1873. 76	3. 4E-4	0. 0738	0. 0234	0. 81
0. 0188	2. 26E-4	0. 000	0. 038							
	23. 05	1. 40	0. 91	84. 95	0. 45	1872. 53	3. 4E-4	0. 0736	0. 0233	0. 81
0. 0188	2. 25E-4	0. 000	0. 039							
	23. 00	1. 40	0. 91	85. 07	0. 45	1871. 30	3. 3E-4	0. 0734	0. 0232	0. 81
0. 0187	2. 24E-4	0. 000	0. 039							
	22. 95	1. 39	0. 91	85. 20	0. 45	1870. 06	3. 3E-4	0. 0731	0. 0231	0. 81
0. 0186	2. 24E-4	0. 000	0. 039							
	22. 90	1. 39	0. 90	85. 32	0. 45	1868. 82	3. 3E-4	0. 0729	0. 0230	0. 81
0. 0186	2. 23E-4	0. 000	0. 039							
	22. 85	1. 39	0. 90	85. 44	0. 45	1867. 57	3. 3E-4	0. 0726	0. 0230	0. 81
0. 0185	2. 22E-4	0. 000	0. 040							
	22. 80	1. 38	0. 90	85. 56	0. 45	1866. 33	3. 3E-4	0. 0724	0. 0229	0. 81
0. 0184	2. 21E-4	0. 000	0. 040							
	22. 75	1. 38	0. 90	85. 69	0. 45	1865. 08	3. 3E-4	0. 0721	0. 0228	0. 81
0. 0184	2. 21E-4	0. 000	0. 040							
	22. 70	1. 38	0. 90	85. 81	0. 45	1863. 83	3. 3E-4	0. 0719	0. 0227	0. 81
0. 0183	2. 20E-4	0. 000	0. 040							
	22. 65	1. 37	0. 89	85. 94	0. 45	1862. 57	3. 3E-4	0. 0717	0. 0227	0. 81
0. 0183	2. 19E-4	0. 000	0. 040							
	22. 60	1. 37	0. 89	86. 06	0. 45	1861. 31	3. 3E-4	0. 0714	0. 0226	0. 81

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0. 0182	2. 18E-4	0. 000	0. 041								
	22. 55	1. 37	0. 89	86. 19	0. 45	1860. 05	3. 3E-4	0. 0712	0. 0225	0. 81	
0. 0181	2. 18E-4	0. 000	0. 041								
	22. 50	1. 36	0. 89	86. 31	0. 45	1858. 79	3. 3E-4	0. 0709	0. 0224	0. 81	
0. 0181	2. 17E-4	0. 000	0. 041								
	22. 45	1. 36	0. 89	86. 44	0. 45	1857. 52	3. 3E-4	0. 0707	0. 0224	0. 81	
0. 0180	2. 16E-4	0. 000	0. 041								
	22. 40	1. 36	0. 88	86. 57	0. 45	1856. 25	3. 3E-4	0. 0705	0. 0223	0. 81	
0. 0180	2. 16E-4	0. 000	0. 042								
	22. 35	1. 36	0. 88	86. 69	0. 45	1854. 98	3. 3E-4	0. 0702	0. 0222	0. 81	
0. 0179	2. 15E-4	0. 000	0. 042								
	22. 30	1. 35	0. 88	86. 82	0. 45	1853. 71	3. 3E-4	0. 0700	0. 0221	0. 81	
0. 0178	2. 14E-4	0. 000	0. 042								
	22. 25	1. 35	0. 88	86. 95	0. 45	1852. 43	3. 3E-4	0. 0698	0. 0221	0. 81	
0. 0178	2. 13E-4	0. 000	0. 042								
	22. 20	1. 35	0. 87	87. 08	0. 45	1851. 15	3. 3E-4	0. 0695	0. 0220	0. 81	
0. 0177	2. 13E-4	0. 000	0. 042								
	22. 15	1. 34	0. 87	87. 20	0. 45	1849. 86	3. 3E-4	0. 0693	0. 0219	0. 81	
0. 0177	2. 12E-4	0. 000	0. 043								
	22. 10	1. 34	0. 87	87. 33	0. 45	1848. 58	3. 3E-4	0. 0691	0. 0218	0. 81	
0. 0176	2. 11E-4	0. 000	0. 043								
	22. 05	1. 34	0. 87	87. 46	0. 45	1847. 29	3. 3E-4	0. 0688	0. 0218	0. 81	
0. 0175	2. 10E-4	0. 000	0. 043								
	22. 00	1. 33	0. 87	87. 59	0. 45	1845. 99	3. 2E-4	0. 0686	0. 0217	0. 81	
0. 0175	2. 10E-4	0. 000	0. 043								
	21. 95	1. 33	0. 86	87. 72	0. 45	1844. 70	3. 2E-4	0. 0684	0. 0216	0. 81	
0. 0174	2. 09E-4	0. 000	0. 043								
	21. 90	1. 33	0. 86	87. 85	0. 45	1843. 40	3. 2E-4	0. 0681	0. 0215	0. 81	
0. 0174	2. 08E-4	0. 000	0. 044								
	21. 85	1. 32	0. 86	87. 99	0. 45	1842. 10	3. 2E-4	0. 0679	0. 0215	0. 81	
0. 0173	2. 08E-4	0. 000	0. 044								
	21. 80	1. 32	0. 86	88. 12	0. 45	1840. 79	3. 2E-4	0. 0677	0. 0214	0. 81	
0. 0172	2. 07E-4	0. 000	0. 044								
	21. 75	1. 32	0. 86	88. 25	0. 45	1839. 48	3. 2E-4	0. 0674	0. 0213	0. 81	
0. 0172	2. 06E-4	0. 000	0. 044								
	21. 70	1. 31	0. 85	88. 38	0. 45	1838. 17	3. 2E-4	0. 0672	0. 0213	0. 81	
0. 0171	2. 06E-4	0. 000	0. 044								
	21. 65	1. 31	0. 85	88. 52	0. 45	1836. 86	3. 2E-4	0. 0670	0. 0212	0. 81	
0. 0171	2. 05E-4	0. 000	0. 045								
	21. 60	1. 31	0. 85	88. 65	0. 45	1835. 54	3. 2E-4	0. 0667	0. 0211	0. 81	
0. 0170	2. 04E-4	0. 000	0. 045								
	21. 55	1. 30	0. 85	88. 78	0. 45	1834. 22	3. 2E-4	0. 0665	0. 0210	0. 81	
0. 0170	2. 03E-4	0. 000	0. 045								
	21. 50	1. 30	0. 85	88. 92	0. 45	1832. 89	3. 2E-4	0. 0663	0. 0210	0. 81	
0. 0169	2. 03E-4	0. 000	0. 045								
	21. 45	1. 30	0. 84	89. 05	0. 45	1831. 57	3. 2E-4	0. 0661	0. 0209	0. 81	
0. 0168	2. 02E-4	0. 000	0. 045								
	21. 40	1. 29	0. 84	89. 19	0. 45	1830. 24	3. 2E-4	0. 0658	0. 0208	0. 81	
0. 0168	2. 01E-4	0. 000	0. 046								
	21. 35	1. 29	0. 84	89. 33	0. 45	1828. 90	3. 2E-4	0. 0656	0. 0207	0. 81	
0. 0167	2. 01E-4	0. 000	0. 046								
	21. 30	1. 29	0. 84	89. 46	0. 45	1827. 57	3. 2E-4	0. 0654	0. 0207	0. 81	
0. 0167	2. 00E-4	0. 000	0. 046								
	21. 25	1. 29	0. 84	89. 60	0. 45	1826. 23	3. 2E-4	0. 0652	0. 0206	0. 81	
0. 0166	1. 99E-4	0. 000	0. 046								
	21. 20	1. 28	0. 83	89. 74	0. 45	1824. 88	3. 2E-4	0. 0649	0. 0205	0. 81	
0. 0165	1. 99E-4	0. 000	0. 046								
	21. 15	1. 28	0. 83	89. 87	0. 45	1823. 54	3. 2E-4	0. 0647	0. 0205	0. 81	
0. 0165	1. 98E-4	0. 000	0. 047								
	21. 10	1. 28	0. 83	90. 01	0. 45	1822. 19	3. 2E-4	0. 0645	0. 0204	0. 81	
0. 0164	1. 97E-4	0. 000	0. 047								
	21. 05	1. 27	0. 83	90. 15	0. 45	1820. 83	3. 2E-4	0. 0643	0. 0203	0. 81	
0. 0164	1. 97E-4	0. 000	0. 047								

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	21.00	1.27	0.82	90.29	0.45	1819.48	3.1E-4	0.0640	0.0202	0.81
0.0163	1.96E-4	0.000	0.047							
	20.95	1.27	0.82	90.43	0.45	1818.12	3.1E-4	0.0638	0.0202	0.81
0.0163	1.95E-4	0.000	0.047							
	20.90	1.26	0.82	90.57	0.45	1816.76	3.1E-4	0.0636	0.0201	0.81
0.0162	1.94E-4	0.000	0.048							
	20.85	1.26	0.82	90.71	0.45	1815.39	3.1E-4	0.0634	0.0200	0.81
0.0162	1.94E-4	0.000	0.048							
	20.80	1.26	0.82	90.85	0.45	1814.02	3.1E-4	0.0631	0.0200	0.81
0.0161	1.93E-4	0.000	0.048							
	20.75	1.25	0.81	91.00	0.45	1812.65	3.1E-4	0.0629	0.0199	0.81
0.0160	1.92E-4	0.000	0.048							
	20.70	1.25	0.81	91.14	0.45	1811.27	3.1E-4	0.0627	0.0198	0.81
0.0160	1.92E-4	0.000	0.048							
	20.65	1.25	0.81	91.28	0.45	1809.89	3.1E-4	0.0625	0.0198	0.81
0.0159	1.91E-4	0.000	0.049							
	20.60	1.24	0.81	91.43	0.45	1808.51	3.1E-4	0.0623	0.0197	0.81
0.0159	1.90E-4	0.000	0.049							
	20.55	1.24	0.81	91.57	0.45	1807.13	3.1E-4	0.0620	0.0196	0.81
0.0158	1.90E-4	0.000	0.049							
	20.50	1.24	0.80	91.71	0.45	1805.74	3.1E-4	0.0618	0.0196	0.81
0.0158	1.89E-4	0.000	0.049							
	20.45	1.23	0.80	91.86	0.45	1804.34	3.1E-4	0.0616	0.0195	0.81
0.0157	1.88E-4	0.000	0.049							
	20.40	1.23	0.80	92.01	0.45	1802.95	3.1E-4	0.0614	0.0194	0.81
0.0156	1.88E-4	0.000	0.050							
	20.35	1.23	0.80	92.15	0.45	1801.55	3.1E-4	0.0612	0.0193	0.81
0.0156	1.87E-4	0.000	0.050							
	20.30	1.22	0.80	92.30	0.45	1800.15	3.1E-4	0.0610	0.0193	0.81
0.0155	1.86E-4	0.000	0.050							
	20.25	1.22	0.79	92.45	0.45	1798.74	3.1E-4	0.0607	0.0192	0.81
0.0155	1.86E-4	0.000	0.050							
	20.20	1.22	0.79	92.59	0.45	1797.33	3.1E-4	0.0605	0.0191	0.81
0.0154	1.85E-4	0.000	0.050							
	20.15	1.21	0.79	92.74	0.45	1795.92	3.1E-4	0.0603	0.0191	0.81
0.0154	1.84E-4	0.000	0.051							
	20.10	1.21	0.79	92.89	0.45	1794.50	3.1E-4	0.0601	0.0190	0.81
0.0153	1.84E-4	0.000	0.051							
	20.05	1.21	0.79	93.04	0.45	1793.08	3.0E-4	0.0599	0.0189	0.81
0.0153	1.83E-4	0.000	0.051							
	20.00	1.20	0.78	93.19	0.45	1791.65	3.0E-4	0.0597	0.0189	0.81
0.0152	1.82E-4	0.000	0.051							
	19.95	1.20	0.78	93.24	0.45	1789.60	3.0E-4	0.0595	0.0188	0.81
0.0152	1.82E-4	0.000	0.051							
	19.90	1.20	0.78	93.30	0.45	1787.54	3.0E-4	0.0593	0.0188	0.81
0.0151	1.81E-4	0.000	0.051							
	19.85	1.20	0.78	93.35	0.45	1785.48	3.0E-4	0.0592	0.0187	0.81
0.0151	1.81E-4	0.000	0.052							
	19.80	1.19	0.77	93.40	0.45	1783.42	3.0E-4	0.0590	0.0187	0.81
0.0150	1.80E-4	0.000	0.052							
	19.75	1.19	0.77	93.45	0.45	1781.36	3.0E-4	0.0588	0.0186	0.81
0.0150	1.80E-4	0.000	0.052							
	19.70	1.19	0.77	93.51	0.45	1779.30	3.0E-4	0.0587	0.0185	0.81
0.0149	1.79E-4	0.000	0.052							
	19.65	1.18	0.77	93.56	0.45	1777.23	3.0E-4	0.0585	0.0185	0.81
0.0149	1.79E-4	0.000	0.052							
	19.60	1.18	0.77	93.61	0.45	1775.16	3.0E-4	0.0583	0.0184	0.81
0.0149	1.78E-4	0.000	0.052							
	19.55	1.18	0.76	93.67	0.45	1773.10	3.0E-4	0.0581	0.0184	0.81
0.0148	1.78E-4	0.000	0.053							
	19.50	1.17	0.76	93.72	0.45	1771.03	3.0E-4	0.0580	0.0183	0.81
0.0148	1.77E-4	0.000	0.053							
	19.45	1.17	0.76	93.78	0.45	1768.96	3.0E-4	0.0578	0.0183	0.81

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0. 0147	1. 77E-4	0. 000	0. 053								
	19. 40	1. 17	0. 76	93. 83	0. 45	1766. 89	3. 0E-4	0. 0576	0. 0182	0. 81	
0. 0147	1. 76E-4	0. 000	0. 053								
	19. 35	1. 16	0. 76	93. 89	0. 45	1764. 81	3. 0E-4	0. 0575	0. 0182	0. 81	
0. 0146	1. 76E-4	0. 000	0. 053								
	19. 30	1. 16	0. 75	93. 94	0. 45	1762. 74	3. 0E-4	0. 0573	0. 0181	0. 81	
0. 0146	1. 75E-4	0. 000	0. 054								
	19. 25	1. 16	0. 75	94. 00	0. 45	1760. 66	3. 0E-4	0. 0571	0. 0181	0. 81	
0. 0146	1. 75E-4	0. 000	0. 054								
	19. 20	1. 15	0. 75	94. 05	0. 45	1758. 58	3. 0E-4	0. 0852	0. 0269	0. 81	
0. 0217	2. 61E-4	0. 000	0. 054								
	19. 15	1. 15	0. 75	94. 11	0. 45	1756. 50	3. 0E-4	0. 0848	0. 0268	0. 81	
0. 0216	2. 59E-4	0. 000	0. 054								
	19. 10	1. 15	0. 75	94. 16	0. 45	1754. 42	3. 0E-4	0. 0844	0. 0267	0. 81	
0. 0215	2. 58E-4	0. 000	0. 055								
	19. 05	1. 14	0. 74	94. 22	0. 45	1752. 34	3. 0E-4	0. 0840	0. 0266	0. 81	
0. 0214	2. 57E-4	0. 000	0. 055								
	19. 00	1. 14	0. 74	94. 28	0. 45	1750. 26	3. 0E-4	0. 0836	0. 0264	0. 81	
0. 0213	2. 56E-4	0. 000	0. 055								
	18. 95	1. 14	0. 74	94. 33	0. 45	1748. 17	3. 0E-4	0. 0832	0. 0263	0. 81	
0. 0212	2. 55E-4	0. 000	0. 055								
	18. 90	1. 13	0. 74	94. 39	0. 45	1746. 09	2. 9E-4	0. 0828	0. 0262	0. 81	
0. 0211	2. 53E-4	0. 000	0. 056								
	18. 85	1. 13	0. 74	94. 45	0. 45	1744. 00	2. 9E-4	0. 0825	0. 0261	0. 81	
0. 0210	2. 52E-4	0. 000	0. 056								
	18. 80	1. 13	0. 73	94. 51	0. 45	1741. 91	2. 9E-4	0. 0821	0. 0260	0. 81	
0. 0209	2. 51E-4	0. 000	0. 056								
	18. 75	1. 13	0. 73	94. 56	0. 45	1739. 82	2. 9E-4	0. 0817	0. 0258	0. 81	
0. 0208	2. 50E-4	0. 000	0. 056								
	18. 70	1. 12	0. 73	94. 62	0. 45	1737. 73	2. 9E-4	0. 0813	0. 0257	0. 81	
0. 0207	2. 49E-4	0. 000	0. 057								
	18. 65	1. 12	0. 73	94. 68	0. 45	1735. 63	2. 9E-4	0. 0809	0. 0256	0. 81	
0. 0206	2. 48E-4	0. 000	0. 057								
	18. 60	1. 12	0. 73	94. 74	0. 45	1733. 54	2. 9E-4	0. 0806	0. 0255	0. 81	
0. 0205	2. 46E-4	0. 000	0. 057								
	18. 55	1. 11	0. 72	94. 80	0. 45	1731. 44	2. 9E-4	0. 0802	0. 0254	0. 81	
0. 0204	2. 45E-4	0. 000	0. 057								
	18. 50	1. 11	0. 72	94. 86	0. 45	1729. 34	2. 9E-4	0. 0798	0. 0252	0. 81	
0. 0203	2. 44E-4	0. 000	0. 058								
	18. 45	1. 11	0. 72	94. 92	0. 45	1727. 24	2. 9E-4	0. 0795	0. 0251	0. 81	
0. 0202	2. 43E-4	0. 000	0. 058								
	18. 40	1. 10	0. 72	94. 98	0. 45	1725. 14	2. 9E-4	0. 0791	0. 0250	0. 81	
0. 0202	2. 42E-4	0. 000	0. 058								
	18. 35	1. 10	0. 71	95. 04	0. 45	1723. 04	2. 9E-4	0. 0787	0. 0249	0. 81	
0. 0201	2. 41E-4	0. 000	0. 058								
	18. 30	1. 10	0. 71	95. 10	0. 45	1720. 93	2. 9E-4	0. 0784	0. 0248	0. 81	
0. 0200	2. 40E-4	0. 000	0. 058								
	18. 25	1. 09	0. 71	95. 16	0. 45	1718. 83	2. 9E-4	0. 0780	0. 0247	0. 81	
0. 0199	2. 39E-4	0. 000	0. 059								
	18. 20	1. 09	0. 71	95. 22	0. 45	1716. 72	2. 9E-4	0. 0776	0. 0245	0. 81	
0. 0198	2. 37E-4	0. 000	0. 059								
	18. 15	1. 09	0. 71	95. 28	0. 45	1714. 61	2. 9E-4	0. 0773	0. 0244	0. 81	
0. 0197	2. 36E-4	0. 000	0. 059								
	18. 10	1. 08	0. 70	95. 34	0. 45	1712. 50	2. 9E-4	0. 0769	0. 0243	0. 81	
0. 0196	2. 35E-4	0. 000	0. 059								
	18. 05	1. 08	0. 70	95. 40	0. 45	1710. 38	2. 9E-4	0. 0765	0. 0242	0. 81	
0. 0195	2. 34E-4	0. 000	0. 060								
	18. 00	1. 08	0. 70	95. 46	0. 45	1708. 27	2. 9E-4	0. 0762	0. 0241	0. 81	
0. 0194	2. 33E-4	0. 000	0. 060								
	17. 95	1. 07	0. 70	95. 53	0. 45	1706. 15	2. 9E-4	0. 0758	0. 0240	0. 81	
0. 0193	2. 32E-4	0. 000	0. 060								
	17. 90	1. 07	0. 70	95. 59	0. 45	1704. 04	2. 9E-4	0. 0755	0. 0239	0. 81	
0. 0192	2. 31E-4	0. 000	0. 060								

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	17. 85	1. 07	0. 69	95. 65	0. 45	1701. 92	2. 9E-4	0. 0751	0. 0238	0. 81
0. 0191	2. 30E-4	0. 000	0. 061							
	17. 80	1. 07	0. 69	95. 71	0. 45	1699. 79	2. 8E-4	0. 0748	0. 0236	0. 81
0. 0191	2. 29E-4	0. 000	0. 061							
	17. 75	1. 06	0. 69	95. 78	0. 45	1697. 67	2. 8E-4	0. 0744	0. 0235	0. 81
0. 0190	2. 28E-4	0. 000	0. 061							
	17. 70	1. 06	0. 69	95. 84	0. 45	1695. 55	2. 8E-4	0. 0741	0. 0234	0. 81
0. 0189	2. 27E-4	0. 000	0. 061							
	17. 65	1. 06	0. 69	95. 91	0. 45	1693. 42	2. 8E-4	0. 0737	0. 0233	0. 81
0. 0188	2. 26E-4	0. 000	0. 061							
	17. 60	1. 05	0. 68	95. 97	0. 45	1691. 29	2. 8E-4	0. 0734	0. 0232	0. 81
0. 0187	2. 24E-4	0. 000	0. 062							
	17. 55	1. 05	0. 68	96. 03	0. 45	1689. 16	2. 8E-4	0. 0730	0. 0231	0. 81
0. 0186	2. 23E-4	0. 000	0. 062							
	17. 50	1. 05	0. 68	96. 10	0. 45	1687. 03	2. 8E-4	0. 0727	0. 0230	0. 81
0. 0185	2. 22E-4	0. 000	0. 062							
	17. 45	1. 04	0. 68	96. 16	0. 45	1684. 90	2. 8E-4	0. 0724	0. 0229	0. 81
0. 0184	2. 21E-4	0. 000	0. 062							
	17. 40	1. 04	0. 68	96. 23	0. 46	1682. 77	2. 8E-4	0. 0720	0. 0228	0. 81
0. 0184	2. 20E-4	0. 000	0. 063							
	17. 35	1. 04	0. 67	96. 30	0. 46	1680. 63	2. 8E-4	0. 0717	0. 0227	0. 81
0. 0183	2. 19E-4	0. 000	0. 063							
	17. 30	1. 03	0. 67	96. 36	0. 46	1678. 49	2. 8E-4	0. 0714	0. 0226	0. 81
0. 0182	2. 18E-4	0. 000	0. 063							
	17. 25	1. 03	0. 67	96. 43	0. 46	1676. 35	2. 8E-4	0. 0710	0. 0225	0. 81
0. 0181	2. 17E-4	0. 000	0. 063							
	17. 20	1. 03	0. 67	96. 50	0. 46	1674. 21	2. 8E-4	0. 0707	0. 0224	0. 81
0. 0180	2. 16E-4	0. 000	0. 063							
	17. 15	1. 02	0. 67	96. 56	0. 46	1672. 07	2. 8E-4	0. 0704	0. 0222	0. 81
0. 0179	2. 15E-4	0. 000	0. 064							
	17. 10	1. 02	0. 66	96. 63	0. 46	1669. 92	2. 8E-4	0. 0700	0. 0221	0. 81
0. 0178	2. 14E-4	0. 000	0. 064							
	17. 05	1. 02	0. 66	96. 70	0. 46	1667. 78	2. 8E-4	0. 0697	0. 0220	0. 81
0. 0178	2. 13E-4	0. 000	0. 064							
	17. 00	1. 02	0. 66	96. 77	0. 46	1665. 63	2. 8E-4	0. 0694	0. 0219	0. 81
0. 0177	2. 12E-4	0. 000	0. 064							
	16. 95	1. 01	0. 66	96. 84	0. 46	1663. 48	2. 8E-4	0. 0690	0. 0218	0. 81
0. 0176	2. 11E-4	0. 000	0. 065							
	16. 90	1. 01	0. 66	96. 90	0. 46	1661. 33	2. 8E-4	0. 0687	0. 0217	0. 81
0. 0175	2. 10E-4	0. 000	0. 065							
	16. 85	1. 01	0. 65	96. 97	0. 46	1659. 17	2. 8E-4	0. 0684	0. 0216	0. 81
0. 0174	2. 09E-4	0. 000	0. 065							
	16. 80	1. 00	0. 65	97. 04	0. 46	1657. 02	2. 8E-4	0. 0681	0. 0215	0. 81
0. 0174	2. 08E-4	0. 000	0. 065							
	16. 75	1. 00	0. 65	97. 11	0. 46	1654. 86	2. 8E-4	0. 0678	0. 0214	0. 81
0. 0173	2. 07E-4	0. 000	0. 065							
	16. 70	1. 00	0. 65	97. 18	0. 46	1652. 70	2. 7E-4	0. 0674	0. 0213	0. 81
0. 0172	2. 06E-4	0. 000	0. 066							
	16. 65	0. 99	0. 65	97. 25	0. 46	1650. 54	2. 7E-4	0. 0671	0. 0212	0. 81
0. 0171	2. 05E-4	0. 000	0. 066							
	16. 60	0. 99	0. 64	97. 32	0. 46	1648. 37	2. 7E-4	0. 0668	0. 0211	0. 81
0. 0170	2. 04E-4	0. 000	0. 066							
	16. 55	0. 99	0. 64	97. 40	0. 46	1646. 21	2. 7E-4	0. 0665	0. 0210	0. 81
0. 0169	2. 03E-4	0. 000	0. 066							
	16. 50	0. 98	0. 64	97. 47	0. 46	1644. 04	2. 7E-4	0. 0662	0. 0209	0. 81
0. 0169	2. 02E-4	0. 000	0. 066							
	16. 45	0. 98	0. 64	97. 54	0. 46	1641. 87	2. 7E-4	0. 0659	0. 0208	0. 81
0. 0168	2. 01E-4	0. 000	0. 067							
	16. 40	0. 98	0. 64	97. 61	0. 46	1639. 70	2. 7E-4	0. 0656	0. 0207	0. 81
0. 0167	2. 00E-4	0. 000	0. 067							
	16. 35	0. 98	0. 63	97. 68	0. 46	1637. 53	2. 7E-4	0. 0652	0. 0206	0. 81
0. 0166	2. 00E-4	0. 000	0. 067							
	16. 30	0. 97	0. 63	97. 76	0. 46	1635. 36	2. 7E-4	0. 0649	0. 0205	0. 81

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0.0166	1.99E-4	0.000	0.067								
	16.25	0.97	0.63	97.83	0.46	1633.18	2.7E-4	0.0646	0.0204	0.81	
0.0165	1.98E-4	0.000	0.067								
	16.20	0.97	0.63	97.91	0.46	1631.00	2.7E-4	0.0643	0.0203	0.81	
0.0164	1.97E-4	0.000	0.068								
	16.15	0.96	0.63	97.98	0.46	1628.82	2.7E-4	0.0640	0.0202	0.81	
0.0163	1.96E-4	0.000	0.068								
	16.10	0.96	0.62	98.05	0.46	1626.64	2.7E-4	0.0637	0.0202	0.81	
0.0162	1.95E-4	0.000	0.068								
	16.05	0.96	0.62	98.13	0.46	1624.45	2.7E-4	0.0634	0.0201	0.81	
0.0162	1.94E-4	0.000	0.068								
	16.00	0.95	0.62	98.20	0.46	1622.27	2.7E-4	0.0631	0.0200	0.81	
0.0161	1.93E-4	0.000	0.068								
	15.95	0.95	0.62	98.28	0.46	1620.08	2.7E-4	0.0628	0.0199	0.81	
0.0160	1.92E-4	0.000	0.069								
	15.90	0.95	0.62	98.36	0.46	1617.89	2.7E-4	0.0625	0.0198	0.81	
0.0159	1.91E-4	0.000	0.069								
	15.85	0.94	0.61	98.43	0.46	1615.70	2.7E-4	0.0622	0.0197	0.81	
0.0159	1.90E-4	0.000	0.069								
	15.80	0.94	0.61	98.51	0.46	1613.50	2.7E-4	0.0619	0.0196	0.81	
0.0158	1.89E-4	0.000	0.069								
	15.75	0.94	0.61	98.59	0.46	1611.31	2.7E-4	0.0616	0.0195	0.81	
0.0157	1.89E-4	0.000	0.069								
	15.70	0.94	0.61	98.66	0.46	1609.11	2.7E-4	0.0614	0.0194	0.81	
0.0156	1.88E-4	0.000	0.070								
	15.65	0.93	0.61	98.74	0.46	1606.91	2.7E-4	0.0611	0.0193	0.81	
0.0156	1.87E-4	0.000	0.070								
	15.60	0.93	0.60	98.82	0.46	1604.71	2.6E-4	0.0608	0.0192	0.81	
0.0155	1.86E-4	0.000	0.070								
	15.55	0.93	0.60	98.90	0.46	1602.50	2.6E-4	0.0605	0.0191	0.81	
0.0154	1.85E-4	0.000	0.070								
	15.50	0.92	0.60	98.98	0.46	1600.29	2.6E-4	0.0602	0.0190	0.81	
0.0153	1.84E-4	0.000	0.070								
	15.45	0.92	0.60	99.06	0.46	1598.09	2.6E-4	0.0599	0.0189	0.81	
0.0153	1.83E-4	0.000	0.070								
	15.40	0.92	0.60	99.14	0.46	1595.87	2.6E-4	0.0596	0.0189	0.81	
0.0152	1.82E-4	0.000	0.071								
	15.35	0.91	0.59	99.22	0.46	1593.66	2.6E-4	0.0593	0.0188	0.81	
0.0151	1.82E-4	0.000	0.071								
	15.30	0.91	0.59	99.30	0.46	1591.45	2.6E-4	0.0591	0.0187	0.81	
0.0151	1.81E-4	0.000	0.071								
	15.25	0.91	0.59	99.38	0.46	1589.23	2.6E-4	0.0588	0.0186	0.81	
0.0150	1.80E-4	0.000	0.071								
	15.20	0.91	0.59	99.46	0.46	1587.01	2.6E-4	0.0585	0.0185	0.81	
0.0149	1.79E-4	0.000	0.071								
	15.15	0.90	0.59	99.55	0.46	1584.79	2.6E-4	0.0582	0.0184	0.81	
0.0148	1.78E-4	0.000	0.072								
	15.10	0.90	0.58	99.63	0.46	1582.56	2.6E-4	0.0580	0.0183	0.81	
0.0148	1.77E-4	0.000	0.072								
	15.05	0.90	0.58	99.71	0.46	1580.34	2.6E-4	0.0577	0.0182	0.81	
0.0147	1.76E-4	0.000	0.072								
	15.00	0.89	0.58	99.80	0.46	1578.11	2.6E-4	0.0574	0.0182	0.81	
0.0146	1.76E-4	0.000	0.072								
	14.95	0.89	0.58	99.88	0.46	1575.88	2.6E-4	0.0571	0.0181	0.81	
0.0146	1.75E-4	0.000	0.072								
	14.90	0.89	0.58	99.96	0.46	1573.65	2.6E-4	0.0569	0.0180	0.81	
0.0145	1.74E-4	0.000	0.072								
	14.85	0.88	0.57	100.00	0.46	1571.42	2.6E-4	0.0566	0.0179	0.81	
0.0144	1.73E-4	0.000	0.073								
	14.80	0.88	0.57	100.00	0.46	1568.19	2.6E-4	0.0564	0.0178	0.81	
0.0144	1.72E-4	0.000	0.073								
	14.75	0.88	0.57	90.43	0.46	1514.20	2.7E-4	0.0613	0.0194	0.81	
0.0156	1.87E-4	0.000	0.073								

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	14. 70	0. 88	0. 57	90. 51	0. 46	1512. 03	2. 7E-4	0. 0610	0. 0193	0. 81
0. 0155	1. 86E-4	0. 000	0. 073							
	14. 65	0. 87	0. 57	90. 58	0. 46	1509. 86	2. 6E-4	0. 0607	0. 0192	0. 81
0. 0155	1. 86E-4	0. 000	0. 073							
	14. 60	0. 87	0. 56	90. 66	0. 46	1507. 68	2. 6E-4	0. 0604	0. 0191	0. 81
0. 0154	1. 85E-4	0. 000	0. 073							
	14. 55	0. 87	0. 56	90. 74	0. 46	1505. 51	2. 6E-4	0. 0601	0. 0190	0. 81
0. 0153	1. 84E-4	0. 000	0. 074							
	14. 50	0. 86	0. 56	90. 82	0. 46	1503. 33	2. 6E-4	0. 0598	0. 0189	0. 81
0. 0152	1. 83E-4	0. 000	0. 074							
	14. 45	0. 86	0. 56	90. 90	0. 46	1501. 15	2. 6E-4	0. 0595	0. 0188	0. 81
0. 0152	1. 82E-4	0. 000	0. 074							
	14. 40	0. 86	0. 56	90. 98	0. 46	1498. 96	2. 6E-4	0. 0592	0. 0187	0. 81
0. 0151	1. 81E-4	0. 000	0. 074							
	14. 35	0. 85	0. 56	91. 06	0. 46	1496. 78	2. 6E-4	0. 0589	0. 0186	0. 81
0. 0150	1. 80E-4	0. 000	0. 074							
	14. 30	0. 85	0. 55	91. 14	0. 46	1494. 59	2. 6E-4	0. 0586	0. 0185	0. 81
0. 0149	1. 79E-4	0. 000	0. 075							
	14. 25	0. 85	0. 55	91. 22	0. 46	1492. 40	2. 6E-4	0. 0583	0. 0184	0. 81
0. 0149	1. 78E-4	0. 000	0. 075							
	14. 20	0. 85	0. 55	91. 30	0. 46	1490. 21	2. 6E-4	0. 0580	0. 0183	0. 81
0. 0148	1. 77E-4	0. 000	0. 075							
	14. 15	0. 84	0. 55	91. 39	0. 46	1488. 01	2. 6E-4	0. 0577	0. 0182	0. 81
0. 0147	1. 76E-4	0. 000	0. 075							
	14. 10	0. 84	0. 55	91. 47	0. 46	1485. 82	2. 6E-4	0. 0574	0. 0181	0. 81
0. 0146	1. 76E-4	0. 000	0. 075							
	14. 05	0. 84	0. 54	91. 55	0. 46	1483. 62	2. 6E-4	0. 0571	0. 0181	0. 81
0. 0146	1. 75E-4	0. 000	0. 075							
	14. 00	0. 83	0. 54	91. 64	0. 46	1481. 41	2. 6E-4	0. 0568	0. 0180	0. 81
0. 0145	1. 74E-4	0. 000	0. 076							
	13. 95	0. 83	0. 54	91. 72	0. 46	1479. 21	2. 6E-4	0. 0565	0. 0179	0. 81
0. 0144	1. 73E-4	0. 000	0. 076							
	13. 90	0. 83	0. 54	91. 80	0. 46	1477. 00	2. 6E-4	0. 0562	0. 0178	0. 81
0. 0143	1. 72E-4	0. 000	0. 076							
	13. 85	0. 82	0. 54	91. 89	0. 46	1474. 79	2. 6E-4	0. 0560	0. 0177	0. 81
0. 0143	1. 71E-4	0. 000	0. 076							
	13. 80	0. 82	0. 53	91. 97	0. 46	1472. 58	2. 6E-4	0. 0557	0. 0176	0. 81
0. 0142	1. 70E-4	0. 000	0. 076							
	13. 75	0. 82	0. 53	92. 06	0. 46	1470. 37	2. 6E-4	0. 0554	0. 0175	0. 81
0. 0141	1. 69E-4	0. 000	0. 076							
	13. 70	0. 82	0. 53	92. 15	0. 46	1468. 15	2. 5E-4	0. 0551	0. 0174	0. 81
0. 0140	1. 69E-4	0. 000	0. 077							
	13. 65	0. 81	0. 53	92. 23	0. 46	1465. 93	2. 5E-4	0. 0548	0. 0173	0. 81
0. 0140	1. 68E-4	0. 000	0. 077							
	13. 60	0. 81	0. 53	92. 32	0. 46	1463. 71	2. 5E-4	0. 0546	0. 0173	0. 81
0. 0139	1. 67E-4	0. 000	0. 077							
	13. 55	0. 81	0. 52	92. 41	0. 46	1461. 48	2. 5E-4	0. 0543	0. 0172	0. 81
0. 0138	1. 66E-4	0. 000	0. 077							
	13. 50	0. 80	0. 52	92. 50	0. 46	1459. 26	2. 5E-4	0. 0540	0. 0171	0. 81
0. 0138	1. 65E-4	0. 000	0. 077							
	13. 45	0. 80	0. 52	92. 59	0. 46	1457. 03	2. 5E-4	0. 0537	0. 0170	0. 81
0. 0137	1. 64E-4	0. 000	0. 077							
	13. 40	0. 80	0. 52	92. 65	0. 46	1454. 65	2. 5E-4	0. 0535	0. 0169	0. 81
0. 0136	1. 64E-4	0. 000	0. 078							
	13. 35	0. 79	0. 52	92. 70	0. 46	1452. 21	2. 5E-4	0. 0532	0. 0168	0. 81
0. 0136	1. 63E-4	0. 000	0. 078							
	13. 30	0. 79	0. 51	92. 75	0. 46	1449. 78	2. 5E-4	0. 0530	0. 0168	0. 81
0. 0135	1. 62E-4	0. 000	0. 078							
	13. 25	0. 79	0. 51	92. 81	0. 46	1447. 34	2. 5E-4	0. 0527	0. 0167	0. 81
0. 0134	1. 61E-4	0. 000	0. 078							
	13. 20	0. 79	0. 51	92. 86	0. 46	1444. 90	2. 5E-4	0. 0525	0. 0166	0. 81
0. 0134	1. 60E-4	0. 000	0. 078							
	13. 15	0. 78	0. 51	92. 91	0. 46	1442. 46	2. 5E-4	0. 0522	0. 0165	0. 81

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0. 0133	1. 60E-4	0. 000	0. 078							
	13. 10	0. 78	0. 51	92. 97	0. 46	1440. 01	2. 5E-4	0. 0520	0. 0164	0. 81
0. 0132	1. 59E-4	0. 000	0. 079							
	13. 05	0. 78	0. 50	93. 02	0. 46	1437. 57	2. 5E-4	0. 0517	0. 0164	0. 81
0. 0132	1. 58E-4	0. 000	0. 079							
	13. 00	0. 77	0. 50	93. 08	0. 46	1435. 12	2. 5E-4	0. 0515	0. 0163	0. 81
0. 0131	1. 57E-4	0. 000	0. 079							
	12. 95	0. 77	0. 50	93. 13	0. 46	1432. 68	2. 5E-4	0. 0512	0. 0162	0. 81
0. 0131	1. 57E-4	0. 000	0. 079							
	12. 90	0. 77	0. 50	93. 19	0. 46	1430. 23	2. 5E-4	0. 0510	0. 0161	0. 81
0. 0130	1. 56E-4	0. 000	0. 079							
	12. 85	0. 76	0. 50	93. 25	0. 46	1427. 77	2. 5E-4	0. 0508	0. 0161	0. 81
0. 0129	1. 55E-4	0. 000	0. 079							
	12. 80	0. 76	0. 50	93. 31	0. 46	1425. 32	2. 5E-4	0. 0505	0. 0160	0. 81
0. 0129	1. 54E-4	0. 000	0. 080							
	12. 75	0. 76	0. 49	93. 36	0. 46	1422. 87	2. 5E-4	0. 0503	0. 0159	0. 81
0. 0128	1. 54E-4	0. 000	0. 080							
	12. 70	0. 76	0. 49	93. 42	0. 46	1420. 41	2. 4E-4	0. 0500	0. 0158	0. 81
0. 0128	1. 53E-4	0. 000	0. 080							
	12. 65	0. 75	0. 49	93. 48	0. 46	1417. 95	2. 4E-4	0. 0498	0. 0157	0. 81
0. 0127	1. 52E-4	0. 000	0. 080							
	12. 60	0. 75	0. 49	93. 54	0. 46	1415. 49	2. 4E-4	0. 0496	0. 0157	0. 81
0. 0126	1. 52E-4	0. 000	0. 080							
	12. 55	0. 75	0. 49	93. 60	0. 46	1413. 03	2. 4E-4	0. 0493	0. 0156	0. 81
0. 0126	1. 51E-4	0. 000	0. 080							
	12. 50	0. 74	0. 48	93. 66	0. 46	1410. 56	2. 4E-4	0. 0491	0. 0155	0. 81
0. 0125	1. 50E-4	0. 000	0. 080							
	12. 45	0. 74	0. 48	93. 73	0. 46	1408. 09	2. 4E-4	0. 0488	0. 0154	0. 81
0. 0124	1. 49E-4	0. 000	0. 081							
	12. 40	0. 74	0. 48	93. 79	0. 46	1405. 63	2. 4E-4	0. 0486	0. 0154	0. 81
0. 0124	1. 49E-4	0. 000	0. 081							
	12. 35	0. 74	0. 48	93. 85	0. 46	1403. 16	2. 4E-4	0. 0484	0. 0153	0. 81
0. 0123	1. 48E-4	0. 000	0. 081							
	12. 30	0. 73	0. 48	93. 92	0. 46	1400. 68	2. 4E-4	0. 0481	0. 0152	0. 81
0. 0123	1. 47E-4	0. 000	0. 081							
	12. 25	0. 73	0. 47	93. 98	0. 46	1398. 21	2. 4E-4	0. 0479	0. 0151	0. 81
0. 0122	1. 47E-4	0. 000	0. 081							
	12. 20	0. 73	0. 47	94. 05	0. 46	1395. 73	2. 4E-4	0. 0477	0. 0151	0. 81
0. 0122	1. 46E-4	0. 000	0. 081							
	12. 15	0. 72	0. 47	94. 11	0. 46	1393. 26	2. 4E-4	0. 0474	0. 0150	0. 81
0. 0121	1. 45E-4	0. 000	0. 081							
	12. 10	0. 72	0. 47	94. 18	0. 46	1390. 77	2. 4E-4	0. 0472	0. 0149	0. 81
0. 0120	1. 44E-4	0. 000	0. 082							
	12. 05	0. 72	0. 47	94. 25	0. 46	1388. 29	2. 4E-4	0. 0470	0. 0149	0. 81
0. 0120	1. 44E-4	0. 000	0. 082							
	12. 00	0. 72	0. 46	94. 31	0. 46	1385. 81	2. 4E-4	0. 0468	0. 0148	0. 81
0. 0119	1. 43E-4	0. 000	0. 082							
	11. 95	0. 71	0. 46	94. 38	0. 46	1383. 32	2. 4E-4	0. 0465	0. 0147	0. 81
0. 0119	1. 42E-4	0. 000	0. 082							
	11. 90	0. 71	0. 46	94. 45	0. 46	1380. 83	2. 4E-4	0. 0463	0. 0146	0. 81
0. 0118	1. 42E-4	0. 000	0. 082							
	11. 85	0. 71	0. 46	94. 52	0. 46	1378. 34	2. 4E-4	0. 0461	0. 0146	0. 81
0. 0117	1. 41E-4	0. 000	0. 082							
	11. 80	0. 70	0. 46	94. 59	0. 46	1375. 85	2. 4E-4	0. 0459	0. 0145	0. 81
0. 0117	1. 40E-4	0. 000	0. 082							
	11. 75	0. 70	0. 46	94. 66	0. 46	1373. 35	2. 4E-4	0. 0456	0. 0144	0. 81
0. 0116	1. 40E-4	0. 000	0. 083							
	11. 70	0. 70	0. 45	94. 74	0. 46	1370. 86	2. 3E-4	0. 0454	0. 0144	0. 81
0. 0116	1. 39E-4	0. 000	0. 083							
	11. 65	0. 69	0. 45	94. 81	0. 46	1368. 36	2. 3E-4	0. 0452	0. 0143	0. 81
0. 0115	1. 38E-4	0. 000	0. 083							
	11. 60	0. 69	0. 45	94. 88	0. 46	1365. 86	2. 3E-4	0. 0450	0. 0142	0. 81
0. 0115	1. 38E-4	0. 000	0. 083							

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	11. 55	0. 69	0. 45	94. 96	0. 46	1363. 35	2. 3E-4	0. 0448	0. 0142	0. 81
0. 0114	1. 37E-4	0. 000	0. 083							
	11. 50	0. 69	0. 45	95. 03	0. 46	1360. 85	2. 3E-4	0. 0445	0. 0141	0. 81
0. 0113	1. 36E-4	0. 000	0. 083							
	11. 45	0. 68	0. 44	95. 11	0. 46	1358. 34	2. 3E-4	0. 0443	0. 0140	0. 81
0. 0113	1. 36E-4	0. 000	0. 083							
	11. 40	0. 68	0. 44	95. 18	0. 46	1355. 83	2. 3E-4	0. 0441	0. 0139	0. 81
0. 0112	1. 35E-4	0. 000	0. 084							
	11. 35	0. 68	0. 44	95. 26	0. 46	1353. 31	2. 3E-4	0. 0439	0. 0139	0. 81
0. 0112	1. 34E-4	0. 000	0. 084							
	11. 30	0. 67	0. 44	95. 34	0. 46	1350. 80	2. 3E-4	0. 0437	0. 0138	0. 81
0. 0111	1. 34E-4	0. 000	0. 084							
	11. 25	0. 67	0. 44	95. 42	0. 46	1348. 28	2. 3E-4	0. 0435	0. 0137	0. 81
0. 0111	1. 33E-4	0. 000	0. 084							
	11. 20	0. 67	0. 43	95. 50	0. 46	1345. 76	2. 3E-4	0. 0432	0. 0137	0. 81
0. 0110	1. 32E-4	0. 000	0. 084							
	11. 15	0. 67	0. 43	95. 58	0. 46	1343. 24	2. 3E-4	0. 0430	0. 0136	0. 81
0. 0110	1. 32E-4	0. 000	0. 084							
	11. 10	0. 66	0. 43	95. 66	0. 46	1340. 71	2. 3E-4	0. 0428	0. 0135	0. 81
0. 0109	1. 31E-4	0. 000	0. 084							
	11. 05	0. 66	0. 43	95. 74	0. 46	1338. 19	2. 3E-4	0. 0426	0. 0135	0. 81
0. 0109	1. 30E-4	0. 000	0. 085							
	11. 00	0. 66	0. 43	95. 83	0. 46	1335. 66	2. 3E-4	0. 0424	0. 0134	0. 81
0. 0108	1. 30E-4	0. 000	0. 085							
	10. 95	0. 65	0. 43	95. 91	0. 46	1333. 12	2. 3E-4	0. 0422	0. 0133	0. 81
0. 0108	1. 29E-4	0. 000	0. 085							
	10. 90	0. 65	0. 42	95. 99	0. 46	1330. 59	2. 3E-4	0. 0420	0. 0133	0. 81
0. 0107	1. 28E-4	0. 000	0. 085							
	10. 85	0. 65	0. 42	96. 08	0. 46	1328. 05	2. 3E-4	0. 0418	0. 0132	0. 81
0. 0106	1. 28E-4	0. 000	0. 085							
	10. 80	0. 65	0. 42	96. 17	0. 46	1325. 51	2. 3E-4	0. 0416	0. 0131	0. 81
0. 0106	1. 27E-4	0. 000	0. 085							
	10. 75	0. 64	0. 42	96. 25	0. 46	1322. 97	2. 2E-4	0. 0414	0. 0131	0. 81
0. 0105	1. 26E-4	0. 000	0. 085							
	10. 70	0. 64	0. 42	96. 34	0. 46	1320. 42	2. 2E-4	0. 0411	0. 0130	0. 81
0. 0105	1. 26E-4	0. 000	0. 085							
	10. 65	0. 64	0. 41	96. 43	0. 46	1317. 88	2. 2E-4	0. 0409	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 086							
	10. 60	0. 63	0. 41	96. 52	0. 46	1315. 32	2. 2E-4	0. 0407	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 086							
	10. 55	0. 63	0. 41	96. 61	0. 46	1312. 77	2. 2E-4	0. 0405	0. 0128	0. 81
0. 0103	1. 24E-4	0. 000	0. 086							
	10. 50	0. 63	0. 41	96. 70	0. 46	1310. 22	2. 2E-4	0. 0403	0. 0128	0. 81
0. 0103	1. 23E-4	0. 000	0. 086							
	10. 45	0. 63	0. 41	96. 79	0. 46	1307. 66	2. 2E-4	0. 0401	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 086							
	10. 40	0. 62	0. 40	96. 89	0. 46	1305. 10	2. 2E-4	0. 0399	0. 0126	0. 81
0. 0102	1. 22E-4	0. 000	0. 086							
	10. 35	0. 62	0. 40	96. 98	0. 46	1302. 53	2. 2E-4	0. 0397	0. 0126	0. 81
0. 0101	1. 22E-4	0. 000	0. 086							
	10. 30	0. 62	0. 40	97. 08	0. 46	1299. 96	2. 2E-4	0. 0395	0. 0125	0. 81
0. 0101	1. 21E-4	0. 000	0. 086							
	10. 25	0. 61	0. 40	97. 17	0. 46	1297. 39	2. 2E-4	0. 0393	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 087							
	10. 20	0. 61	0. 40	97. 27	0. 46	1294. 82	2. 2E-4	0. 0391	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 087							
	10. 15	0. 61	0. 40	97. 37	0. 46	1292. 25	2. 2E-4	0. 0389	0. 0123	0. 81
0. 0099	1. 19E-4	0. 000	0. 087							
	10. 10	0. 61	0. 39	97. 47	0. 46	1289. 67	2. 2E-4	0. 0387	0. 0123	0. 81
0. 0099	1. 19E-4	0. 000	0. 087							
	10. 05	0. 60	0. 39	97. 57	0. 46	1287. 09	2. 2E-4	0. 0386	0. 0122	0. 81
0. 0098	1. 18E-4	0. 000	0. 087							
	10. 00	0. 60	0. 39	97. 67	0. 46	1284. 50	2. 2E-4	0. 0384	0. 0121	0. 81

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0.0098	1.17E-4	0.000	0.087							
	9.95	0.60	0.39	97.44	0.46	1280.46	2.2E-4	0.0382	0.0121	0.81
0.0097	1.17E-4	0.000	0.087							
	9.90	0.59	0.39	97.21	0.46	1276.42	2.2E-4	0.0381	0.0121	0.81
0.0097	1.17E-4	0.000	0.087							
	9.85	0.59	0.38	96.98	0.46	1272.36	2.2E-4	0.0380	0.0120	0.81
0.0097	1.16E-4	0.000	0.087							
	9.80	0.59	0.38	96.75	0.46	1268.30	2.2E-4	0.0379	0.0120	0.81
0.0097	1.16E-4	0.000	0.088							
	9.75	0.59	0.38	96.52	0.46	1264.22	2.1E-4	0.0378	0.0120	0.81
0.0096	1.16E-4	0.000	0.088							
	9.70	0.58	0.38	96.29	0.46	1260.14	2.1E-4	0.0377	0.0119	0.81
0.0096	1.15E-4	0.000	0.088							
	9.65	0.58	0.38	96.06	0.46	1256.05	2.1E-4	0.0376	0.0119	0.81
0.0096	1.15E-4	0.000	0.088							
	9.60	0.58	0.38	95.83	0.46	1251.95	2.1E-4	0.0375	0.0119	0.81
0.0096	1.15E-4	0.000	0.088							
	9.55	0.57	0.37	95.60	0.46	1247.84	2.1E-4	0.0374	0.0118	0.81
0.0095	1.14E-4	0.000	0.088							
	9.50	0.57	0.37	95.36	0.46	1243.72	2.1E-4	0.0373	0.0118	0.81
0.0095	1.14E-4	0.000	0.088							
	9.45	0.57	0.37	95.13	0.46	1239.60	2.1E-4	0.0371	0.0117	0.81
0.0095	1.14E-4	0.000	0.088							
	9.40	0.57	0.37	94.89	0.46	1235.46	2.1E-4	0.0370	0.0117	0.81
0.0094	1.13E-4	0.000	0.088							
	9.35	0.56	0.37	94.66	0.46	1231.31	2.1E-4	0.0369	0.0117	0.81
0.0094	1.13E-4	0.000	0.089							
	9.30	0.56	0.36	94.42	0.46	1227.16	2.1E-4	0.0368	0.0116	0.81
0.0094	1.13E-4	0.000	0.089							
	9.25	0.56	0.36	94.19	0.46	1222.99	2.1E-4	0.0367	0.0116	0.81
0.0094	1.12E-4	0.000	0.089							
	9.20	0.55	0.36	93.95	0.46	1218.82	2.1E-4	0.0366	0.0116	0.81
0.0093	1.12E-4	0.000	0.089							
	9.15	0.55	0.36	93.71	0.46	1214.64	2.1E-4	0.0365	0.0115	0.81
0.0093	1.12E-4	0.000	0.089							
	9.10	0.55	0.36	93.47	0.46	1210.44	2.1E-4	0.0364	0.0115	0.81
0.0093	1.11E-4	0.000	0.089							
	9.05	0.55	0.35	93.24	0.46	1206.24	2.1E-4	0.0362	0.0115	0.81
0.0092	1.11E-4	0.000	0.089							
	9.00	0.54	0.35	93.00	0.46	1202.03	2.1E-4	0.0361	0.0114	0.81
0.0092	1.11E-4	0.000	0.089							
	8.95	0.54	0.35	92.76	0.46	1197.81	2.1E-4	0.0360	0.0114	0.81
0.0092	1.10E-4	0.000	0.089							
	8.90	0.54	0.35	92.52	0.46	1193.57	2.1E-4	0.0417	0.0132	0.81
0.0106	1.27E-4	0.000	0.090							
	8.85	0.53	0.35	92.27	0.46	1189.33	2.1E-4	0.0415	0.0131	0.81
0.0106	1.27E-4	0.000	0.090							
	8.80	0.53	0.35	92.03	0.46	1185.08	2.1E-4	0.0414	0.0131	0.81
0.0106	1.27E-4	0.000	0.090							
	8.75	0.53	0.34	91.79	0.46	1180.82	2.1E-4	0.0413	0.0131	0.81
0.0105	1.26E-4	0.000	0.090							
	8.70	0.53	0.34	91.55	0.46	1176.54	2.1E-4	0.0411	0.0130	0.81
0.0105	1.26E-4	0.000	0.090							
	8.65	0.52	0.34	91.30	0.46	1172.26	2.1E-4	0.0410	0.0130	0.81
0.0105	1.25E-4	0.000	0.090							
	8.60	0.52	0.34	91.06	0.46	1167.97	2.1E-4	0.0409	0.0129	0.81
0.0104	1.25E-4	0.000	0.090							
	8.55	0.52	0.34	90.81	0.46	1163.66	2.1E-4	0.0408	0.0129	0.81
0.0104	1.25E-4	0.000	0.090							
	8.50	0.51	0.33	90.57	0.46	1159.35	2.1E-4	0.0406	0.0129	0.81
0.0104	1.24E-4	0.000	0.091							
	8.45	0.51	0.33	90.32	0.46	1155.02	2.1E-4	0.0405	0.0128	0.81
0.0103	1.24E-4	0.000	0.091							

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	8. 40	0. 51	0. 33	90. 07	0. 46	1150. 69	2. 1E-4	0. 0404	0. 0128	0. 81
0. 0103	1. 24E-4	0. 000	0. 091							
	8. 35	0. 51	0. 33	89. 82	0. 47	1146. 34	2. 1E-4	0. 0403	0. 0127	0. 81
0. 0103	1. 23E-4	0. 000	0. 091							
	8. 30	0. 50	0. 33	89. 58	0. 47	1141. 98	2. 0E-4	0. 0402	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 091							
	8. 25	0. 50	0. 32	89. 33	0. 47	1137. 62	2. 0E-4	0. 0400	0. 0127	0. 81
0. 0102	1. 22E-4	0. 000	0. 091							
	8. 20	0. 50	0. 32	79. 25	0. 47	1090. 00	2. 1E-4	0. 0428	0. 0135	0. 81
0. 0109	1. 31E-4	0. 000	0. 091							
	8. 15	0. 49	0. 32	79. 04	0. 47	1085. 80	2. 1E-4	0. 0426	0. 0135	0. 81
0. 0109	1. 30E-4	0. 000	0. 091							
	8. 10	0. 49	0. 32	78. 82	0. 47	1081. 59	2. 1E-4	0. 0425	0. 0134	0. 81
0. 0108	1. 30E-4	0. 000	0. 092							
	8. 05	0. 49	0. 32	78. 60	0. 47	1077. 37	2. 1E-4	0. 0423	0. 0134	0. 81
0. 0108	1. 29E-4	0. 000	0. 092							
	8. 00	0. 49	0. 32	78. 38	0. 47	1073. 14	2. 1E-4	0. 0422	0. 0133	0. 81
0. 0107	1. 29E-4	0. 000	0. 092							
	7. 95	0. 48	0. 31	78. 16	0. 47	1068. 90	2. 1E-4	0. 0420	0. 0133	0. 81
0. 0107	1. 28E-4	0. 000	0. 092							
	7. 90	0. 48	0. 31	77. 94	0. 47	1064. 65	2. 1E-4	0. 0418	0. 0132	0. 81
0. 0107	1. 28E-4	0. 000	0. 092							
	7. 85	0. 48	0. 31	77. 71	0. 47	1060. 38	2. 1E-4	0. 0417	0. 0132	0. 81
0. 0106	1. 27E-4	0. 000	0. 092							
	7. 80	0. 47	0. 31	77. 49	0. 47	1056. 11	2. 1E-4	0. 0415	0. 0131	0. 81
0. 0106	1. 27E-4	0. 000	0. 092							
	7. 75	0. 47	0. 31	77. 27	0. 47	1051. 82	2. 1E-4	0. 0414	0. 0131	0. 81
0. 0105	1. 27E-4	0. 000	0. 093							
	7. 70	0. 47	0. 30	77. 04	0. 47	1047. 52	2. 1E-4	0. 0412	0. 0130	0. 81
0. 0105	1. 26E-4	0. 000	0. 093							
	7. 65	0. 46	0. 30	76. 82	0. 47	1043. 21	2. 1E-4	0. 0411	0. 0130	0. 81
0. 0105	1. 26E-4	0. 000	0. 093							
	7. 60	0. 46	0. 30	76. 59	0. 47	1038. 89	2. 1E-4	0. 0409	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 093							
	7. 55	0. 46	0. 30	76. 37	0. 47	1034. 55	2. 1E-4	0. 0408	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 093							
	7. 50	0. 46	0. 30	76. 14	0. 47	1030. 21	2. 1E-4	0. 0406	0. 0129	0. 81
0. 0104	1. 24E-4	0. 000	0. 093							
	7. 45	0. 45	0. 29	75. 91	0. 47	1025. 85	2. 1E-4	0. 0405	0. 0128	0. 81
0. 0103	1. 24E-4	0. 000	0. 093							
	7. 40	0. 45	0. 29	75. 68	0. 47	1021. 48	2. 1E-4	0. 0403	0. 0128	0. 81
0. 0103	1. 23E-4	0. 000	0. 093							
	7. 35	0. 45	0. 29	75. 45	0. 47	1017. 10	2. 0E-4	0. 0402	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 094							
	7. 30	0. 44	0. 29	75. 22	0. 47	1012. 70	2. 0E-4	0. 0401	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 094							
	7. 25	0. 44	0. 29	74. 99	0. 47	1008. 30	2. 0E-4	0. 0399	0. 0126	0. 81
0. 0102	1. 22E-4	0. 000	0. 094							
	7. 20	0. 44	0. 28	74. 76	0. 47	1003. 88	2. 0E-4	0. 0398	0. 0126	0. 81
0. 0101	1. 22E-4	0. 000	0. 094							
	7. 15	0. 44	0. 28	74. 52	0. 47	999. 45	2. 0E-4	0. 0397	0. 0125	0. 81
0. 0101	1. 21E-4	0. 000	0. 094							
	7. 10	0. 43	0. 28	74. 29	0. 47	995. 00	2. 0E-4	0. 0395	0. 0125	0. 81
0. 0101	1. 21E-4	0. 000	0. 094							
	7. 05	0. 43	0. 28	74. 06	0. 47	990. 54	2. 0E-4	0. 0394	0. 0125	0. 81
0. 0100	1. 20E-4	0. 000	0. 094							
	7. 00	0. 43	0. 28	73. 82	0. 47	986. 07	2. 0E-4	0. 0392	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 094							
	6. 95	0. 42	0. 28	73. 58	0. 47	981. 59	2. 0E-4	0. 0391	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 094							
	6. 90	0. 42	0. 27	73. 35	0. 47	977. 09	2. 0E-4	0. 0390	0. 0123	0. 81
0. 0099	1. 19E-4	0. 000	0. 095							
	6. 85	0. 42	0. 27	73. 11	0. 47	972. 58	2. 0E-4	0. 0389	0. 0123	0. 81

Li quefy. cal

0.0099	1.19E-4	0.000	0.095								
	6.80	0.41	0.27	72.87	0.47	968.06	2.0E-4	0.0387	0.0122	0.81	
0.0099	1.18E-4	0.000	0.095								
	6.75	0.41	0.27	72.63	0.47	963.52	2.0E-4	0.0396	0.0125	0.81	
0.0101	1.21E-4	0.000	0.095								
	6.70	0.41	0.27	72.39	0.47	958.97	2.0E-4	0.0394	0.0125	0.81	
0.0101	1.21E-4	0.000	0.095								
	6.65	0.41	0.26	72.15	0.47	954.41	2.0E-4	0.0393	0.0124	0.81	
0.0100	1.20E-4	0.000	0.095								
	6.60	0.40	0.26	71.91	0.47	949.83	2.0E-4	0.0392	0.0124	0.81	
0.0100	1.20E-4	0.000	0.095								
	6.55	0.40	0.26	71.66	0.47	945.23	2.0E-4	0.0390	0.0123	0.81	
0.0099	1.19E-4	0.000	0.095								
	6.50	0.40	0.26	71.42	0.47	940.63	2.0E-4	0.0389	0.0123	0.81	
0.0099	1.19E-4	0.000	0.096								
	6.45	0.39	0.26	71.17	0.47	936.00	2.0E-4	0.0387	0.0122	0.81	
0.0099	1.18E-4	0.000	0.096								
	6.40	0.39	0.25	70.93	0.47	931.37	2.0E-4	0.0386	0.0122	0.81	
0.0098	1.18E-4	0.000	0.096								
	6.35	0.39	0.25	70.68	0.47	926.72	2.0E-4	0.0384	0.0121	0.81	
0.0098	1.17E-4	0.000	0.096								
	6.30	0.38	0.25	70.43	0.47	922.05	1.9E-4	0.0382	0.0121	0.81	
0.0097	1.17E-4	0.000	0.096								
	6.25	0.38	0.25	70.18	0.47	917.37	1.9E-4	0.0381	0.0120	0.81	
0.0097	1.17E-4	0.000	0.096								
	6.20	0.38	0.25	69.93	0.47	912.67	1.9E-4	0.0379	0.0120	0.81	
0.0097	1.16E-4	0.000	0.096								
	6.15	0.38	0.24	69.68	0.47	907.96	1.9E-4	0.0378	0.0120	0.81	
0.0096	1.16E-4	0.000	0.096								
	6.10	0.37	0.24	69.43	0.47	903.23	1.9E-4	0.0376	0.0119	0.81	
0.0096	1.15E-4	0.000	0.097								
	6.05	0.37	0.24	69.17	0.47	898.49	1.9E-4	0.0375	0.0119	0.81	
0.0096	1.15E-4	0.000	0.097								
	6.00	0.37	0.24	68.92	0.47	893.73	1.9E-4	0.0373	0.0118	0.81	
0.0095	1.14E-4	0.000	0.097								
	5.95	0.36	0.24	68.66	0.47	888.95	1.9E-4	0.0372	0.0118	0.81	
0.0095	1.14E-4	0.000	0.097								
	5.90	0.36	0.23	68.41	0.47	884.16	1.9E-4	0.0370	0.0117	0.81	
0.0094	1.13E-4	0.000	0.097								
	5.85	0.36	0.23	68.15	0.47	879.35	1.9E-4	0.0369	0.0117	0.81	
0.0094	1.13E-4	0.000	0.097								
	5.80	0.35	0.23	67.89	0.47	874.53	1.9E-4	0.0367	0.0116	0.81	
0.0094	1.12E-4	0.000	0.097								
	5.75	0.35	0.23	67.63	0.47	869.69	1.9E-4	0.0365	0.0116	0.81	
0.0093	1.12E-4	0.000	0.097								
	5.70	0.35	0.23	67.37	0.47	864.83	1.9E-4	0.0364	0.0115	0.81	
0.0093	1.11E-4	0.000	0.097								
	5.65	0.35	0.22	67.06	0.47	859.74	1.9E-4	0.0362	0.0115	0.81	
0.0092	1.11E-4	0.000	0.098								
	5.60	0.34	0.22	66.53	0.47	853.73	1.9E-4	0.0362	0.0114	0.81	
0.0092	1.11E-4	0.000	0.098								
	5.55	0.34	0.22	66.00	0.47	847.71	1.9E-4	0.0361	0.0114	0.81	
0.0092	1.10E-4	0.000	0.098								
	5.50	0.34	0.22	65.48	0.47	841.68	1.9E-4	0.0360	0.0114	0.81	
0.0092	1.10E-4	0.000	0.098								
	5.45	0.33	0.22	64.95	0.47	835.64	1.9E-4	0.0359	0.0113	0.81	
0.0091	1.10E-4	0.000	0.098								
	5.40	0.33	0.21	64.42	0.47	829.54	1.9E-4	0.0358	0.0113	0.81	
0.0091	1.09E-4	0.000	0.098								
	5.35	0.33	0.21	63.86	0.47	823.35	1.9E-4	0.0357	0.0113	0.81	
0.0091	1.09E-4	0.000	0.098								
	5.30	0.32	0.21	63.31	0.47	817.15	1.9E-4	0.0356	0.0113	0.81	
0.0091	1.09E-4	0.000	0.098								

Li quefy. cal

0.0091	5.25	0.32	0.21	62.76	0.47	810.94	1.9E-4	0.0355	0.0112	0.81
	1.09E-4	0.000	0.098							
0.0090	5.20	0.32	0.21	62.20	0.47	804.71	1.9E-4	0.0354	0.0112	0.81
	1.08E-4	0.000	0.099							
0.0090	5.15	0.32	0.20	61.65	0.47	798.47	1.8E-4	0.0354	0.0112	0.81
	1.08E-4	0.000	0.099							
0.0090	5.10	0.31	0.20	61.09	0.47	792.22	1.8E-4	0.0353	0.0112	0.81
	1.08E-4	0.000	0.099							
0.0090	5.05	0.31	0.20	60.54	0.47	785.96	1.8E-4	0.0352	0.0111	0.81
	1.08E-4	0.000	0.099							
0.0089	5.00	0.31	0.20	59.99	0.47	779.68	1.8E-4	0.0351	0.0111	0.81
	1.07E-4	0.000	0.099							
0.0088	4.95	0.30	0.20	60.64	0.47	778.62	1.8E-4	0.0347	0.0110	0.81
	1.06E-4	0.000	0.099							
0.0087	4.90	0.30	0.19	61.30	0.47	777.49	1.8E-4	0.0342	0.0108	0.81
	1.05E-4	0.000	0.099							
0.0086	4.85	0.30	0.19	61.96	0.47	776.29	1.8E-4	0.0338	0.0107	0.81
	1.03E-4	0.000	0.099							
0.0085	4.80	0.29	0.19	62.62	0.47	775.02	1.8E-4	0.0334	0.0106	0.81
	1.02E-4	0.000	0.099							
0.0084	4.75	0.29	0.19	63.28	0.47	773.68	1.8E-4	0.0330	0.0104	0.81
	1.01E-4	0.000	0.099							
0.0083	4.70	0.29	0.19	63.94	0.47	772.28	1.7E-4	0.0326	0.0103	0.81
	9.97E-5	0.000	0.100							
0.0082	4.65	0.28	0.19	64.60	0.47	770.81	1.7E-4	0.0322	0.0102	0.81
	9.85E-5	0.000	0.100							
0.0081	4.60	0.28	0.18	65.26	0.47	769.26	1.7E-4	0.0318	0.0101	0.81
	9.73E-5	0.000	0.100							
0.0080	4.55	0.28	0.18	65.92	0.47	767.65	1.7E-4	0.0314	0.0099	0.81
	9.61E-5	0.000	0.100							
0.0079	4.50	0.28	0.18	66.58	0.47	765.98	1.7E-4	0.0311	0.0098	0.81
	9.50E-5	0.000	0.100							
0.0078	4.45	0.27	0.18	67.24	0.47	764.23	1.7E-4	0.0307	0.0097	0.81
	9.38E-5	0.000	0.100							
0.0077	4.40	0.27	0.18	67.90	0.47	762.41	1.7E-4	0.0303	0.0096	0.81
	9.27E-5	0.000	0.100							
0.0076	4.35	0.27	0.17	68.56	0.47	760.53	1.6E-4	0.0300	0.0095	0.81
	9.16E-5	0.000	0.100							
0.0075	4.30	0.26	0.17	69.22	0.47	758.58	1.6E-4	0.0296	0.0094	0.81
	9.05E-5	0.000	0.100							
0.0075	4.25	0.26	0.17	69.88	0.47	756.55	1.6E-4	0.0292	0.0092	0.81
	8.94E-5	0.000	0.100							
0.0074	4.20	0.26	0.17	70.54	0.47	754.46	1.6E-4	0.0289	0.0091	0.81
	8.84E-5	0.000	0.100							
0.0073	4.15	0.25	0.17	71.20	0.47	752.30	1.6E-4	0.0285	0.0090	0.81
	8.73E-5	0.000	0.101							
0.0072	4.10	0.25	0.16	71.86	0.47	750.07	1.6E-4	0.0282	0.0089	0.81
	8.63E-5	0.000	0.101							
0.0071	4.05	0.25	0.16	72.52	0.47	747.77	1.6E-4	0.0279	0.0088	0.81
	8.52E-5	0.000	0.101							
0.0070	4.00	0.24	0.16	73.18	0.47	745.40	1.5E-4	0.0275	0.0087	0.81
	8.42E-5	0.000	0.101							
0.0069	3.95	0.24	0.16	73.84	0.47	742.96	1.5E-4	0.0272	0.0086	0.81
	8.32E-5	0.000	0.101							
0.0069	3.90	0.24	0.16	74.50	0.47	740.44	1.5E-4	0.0269	0.0085	0.81
	8.22E-5	0.000	0.101							
0.0068	3.85	0.24	0.15	75.16	0.47	737.86	1.5E-4	0.0266	0.0084	0.81
	8.12E-5	0.000	0.101							
0.0067	3.80	0.23	0.15	75.82	0.47	735.20	1.5E-4	0.0262	0.0083	0.81
	8.02E-5	0.000	0.101							
0.0073	3.75	0.23	0.15	76.48	0.47	732.48	1.5E-4	0.0285	0.0090	0.81
	8.72E-5	0.000	0.101							
	3.70	0.23	0.15	77.14	0.47	729.67	1.5E-4	0.0281	0.0089	0.81

Li quefy. cal

0.0072	8.59E-5	0.000	0.101								
	3.65	0.22	0.15	77.80	0.47	726.80	1.4E-4	0.0277	0.0087	0.81	
0.0071	8.46E-5	0.000	0.101								
	3.60	0.22	0.14	78.46	0.47	723.85	1.4E-4	0.0273	0.0086	0.81	
0.0070	8.34E-5	0.000	0.101								
	3.55	0.22	0.14	79.12	0.47	720.83	1.4E-4	0.0269	0.0085	0.81	
0.0069	8.22E-5	0.000	0.102								
	3.50	0.21	0.14	79.78	0.47	717.73	1.4E-4	0.0265	0.0084	0.81	
0.0068	8.11E-5	0.000	0.102								
	3.45	0.21	0.14	80.44	0.47	714.56	1.4E-4	0.0262	0.0083	0.81	
0.0067	8.00E-5	0.000	0.102								
	3.40	0.21	0.14	81.10	0.47	711.31	1.4E-4	0.0258	0.0082	0.81	
0.0066	7.89E-5	0.000	0.102								
	3.35	0.21	0.13	81.76	0.47	707.98	1.4E-4	0.0255	0.0081	0.81	
0.0065	7.79E-5	0.000	0.102								
	3.30	0.20	0.13	82.42	0.47	704.57	1.4E-4	0.0252	0.0080	0.81	
0.0064	7.69E-5	0.000	0.102								
	3.25	0.20	0.13	83.08	0.47	701.09	1.3E-4	0.0248	0.0079	0.81	
0.0063	7.60E-5	0.000	0.102								
	3.20	0.20	0.13	83.74	0.47	697.52	1.3E-4	0.0245	0.0078	0.81	
0.0063	7.51E-5	0.000	0.102								
	3.15	0.19	0.13	84.40	0.47	693.88	1.3E-4	0.0243	0.0077	0.81	
0.0062	7.42E-5	0.000	0.102								
	3.10	0.19	0.12	85.06	0.47	690.15	1.3E-4	0.0240	0.0076	0.81	
0.0061	7.34E-5	0.000	0.102								
	3.05	0.19	0.12	85.72	0.47	686.34	1.3E-4	0.0237	0.0075	0.81	
0.0060	7.25E-5	0.000	0.102								
	3.00	0.18	0.12	86.38	0.47	682.44	1.3E-4	0.0235	0.0074	0.81	
0.0060	7.18E-5	0.000	0.102								
	2.95	0.18	0.12	87.04	0.47	678.46	1.3E-4	0.0232	0.0073	0.81	
0.0059	7.10E-5	0.000	0.102								
	2.90	0.18	0.12	87.70	0.47	674.39	1.2E-4	0.0230	0.0073	0.81	
0.0059	7.03E-5	0.000	0.103								
	2.85	0.17	0.11	88.36	0.47	670.24	1.2E-4	0.0228	0.0072	0.81	
0.0058	6.96E-5	0.000	0.103								
	2.80	0.17	0.11	89.02	0.47	665.99	1.2E-4	0.0226	0.0071	0.81	
0.0058	6.90E-5	0.000	0.103								
	2.75	0.17	0.11	89.68	0.47	661.66	1.2E-4	0.0258	0.0082	0.81	
0.0066	7.88E-5	0.000	0.103								
	2.70	0.17	0.11	90.34	0.47	657.23	1.2E-4	0.0254	0.0080	0.81	
0.0065	7.78E-5	0.000	0.103								
	2.65	0.16	0.11	91.00	0.47	652.71	1.2E-4	0.0251	0.0079	0.81	
0.0064	7.67E-5	0.000	0.103								
	2.60	0.16	0.10	91.66	0.47	648.09	1.2E-4	0.0247	0.0078	0.81	
0.0063	7.56E-5	0.000	0.103								
	2.55	0.16	0.10	92.32	0.47	643.38	1.1E-4	0.0243	0.0077	0.81	
0.0062	7.44E-5	0.000	0.103								
	2.50	0.15	0.10	92.98	0.47	638.57	1.1E-4	0.0240	0.0076	0.81	
0.0061	7.32E-5	0.000	0.103								
	2.45	0.15	0.10	93.64	0.47	633.65	1.1E-4	0.0236	0.0074	0.81	
0.0060	7.20E-5	0.000	0.103								
	2.40	0.15	0.10	94.30	0.47	628.63	1.1E-4	0.0232	0.0073	0.81	
0.0059	7.08E-5	0.000	0.103								
	2.35	0.14	0.09	94.96	0.47	623.51	1.1E-4	0.0227	0.0072	0.81	
0.0058	6.95E-5	0.000	0.103								
	2.30	0.14	0.09	95.61	0.47	618.28	1.1E-4	0.0223	0.0071	0.81	
0.0057	6.83E-5	0.000	0.103								
	2.25	0.14	0.09	96.27	0.47	612.93	1.1E-4	0.0219	0.0069	0.81	
0.0056	6.69E-5	0.000	0.103								
	2.20	0.13	0.09	96.93	0.47	607.48	1.0E-4	0.0215	0.0068	0.81	
0.0055	6.56E-5	0.000	0.104								
	2.15	0.13	0.09	97.59	0.47	601.91	1.0E-4	0.0210	0.0066	0.81	
0.0054	6.43E-5	0.000	0.104								

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0.0052	2.10	0.13	0.08	98.25	0.47	596.21	1.0E-4	0.0206	0.0065	0.81
	6.29E-5	0.000	0.104							
0.0051	2.05	0.13	0.08	98.91	0.47	590.40	1.0E-4	0.0201	0.0064	0.81
	6.15E-5	0.000	0.104							
0.0050	2.00	0.12	0.08	99.57	0.47	584.46	9.9E-5	0.0197	0.0062	0.81
	6.01E-5	0.000	0.104							
0.0049	1.95	0.12	0.08	100.00	0.47	577.94	9.8E-5	0.0192	0.0061	0.81
	5.88E-5	0.000	0.104							
0.0048	1.90	0.12	0.08	100.00	0.47	570.49	9.6E-5	0.0188	0.0060	0.81
	5.76E-5	0.000	0.104							
0.0047	1.85	0.11	0.07	100.00	0.47	562.95	9.5E-5	0.0184	0.0058	0.81
	5.64E-5	0.000	0.104							
0.0046	1.80	0.11	0.07	100.00	0.47	555.30	9.4E-5	0.0180	0.0057	0.81
	5.52E-5	0.000	0.104							
0.0045	1.75	0.11	0.07	100.00	0.47	547.55	9.3E-5	0.0176	0.0056	0.81
	5.39E-5	0.000	0.104							
0.0044	1.70	0.10	0.07	100.00	0.47	539.68	9.1E-5	0.0172	0.0054	0.81
	5.27E-5	0.000	0.104							
0.0043	1.65	0.10	0.07	100.00	0.47	531.69	9.0E-5	0.0168	0.0053	0.81
	5.15E-5	0.000	0.104							
0.0042	1.60	0.10	0.06	100.00	0.47	523.59	8.9E-5	0.0164	0.0052	0.81
	5.02E-5	0.000	0.104							
0.0041	1.55	0.10	0.06	100.00	0.47	515.35	8.7E-5	0.0160	0.0051	0.81
	4.90E-5	0.000	0.104							
0.0040	1.50	0.09	0.06	100.00	0.47	506.98	8.6E-5	0.0156	0.0049	0.81
	4.77E-5	0.000	0.104							
0.0039	1.45	0.09	0.06	100.00	0.47	498.47	8.4E-5	0.0152	0.0048	0.81
	4.65E-5	0.000	0.104							
0.0038	1.40	0.09	0.06	100.00	0.47	489.81	8.3E-5	0.0148	0.0047	0.81
	4.52E-5	0.000	0.104							
0.0037	1.35	0.08	0.05	100.00	0.47	481.00	8.1E-5	0.0144	0.0045	0.81
	4.40E-5	0.000	0.104							
0.0036	1.30	0.08	0.05	100.00	0.47	472.01	8.0E-5	0.0140	0.0044	0.81
	4.27E-5	0.000	0.105							
0.0035	1.25	0.08	0.05	100.00	0.47	462.86	7.8E-5	0.0136	0.0043	0.81
	4.15E-5	0.000	0.105							
0.0034	1.20	0.07	0.05	100.00	0.47	453.52	7.7E-5	0.0132	0.0042	0.81
	4.03E-5	0.000	0.105							
0.0033	1.15	0.07	0.05	100.00	0.47	443.98	7.5E-5	0.0128	0.0040	0.81
	3.90E-5	0.000	0.105							
0.0032	1.10	0.07	0.04	100.00	0.47	434.23	7.4E-5	0.0124	0.0039	0.81
	3.78E-5	0.000	0.105							
0.0030	1.05	0.06	0.04	100.00	0.47	424.25	7.2E-5	0.0120	0.0038	0.81
	3.66E-5	0.000	0.105							
0.0029	1.00	0.06	0.04	100.00	0.47	414.04	7.0E-5	0.0116	0.0037	0.81
	3.53E-5	0.000	0.105							
0.0028	0.95	0.06	0.04	100.00	0.47	403.57	6.8E-5	0.0112	0.0035	0.81
	3.41E-5	0.000	0.105							
0.0027	0.90	0.06	0.04	100.00	0.47	392.81	6.7E-5	0.0107	0.0034	0.81
	3.29E-5	0.000	0.105							
0.0026	0.85	0.05	0.03	100.00	0.47	381.75	6.5E-5	0.0103	0.0033	0.81
	3.16E-5	0.000	0.105							
0.0025	0.80	0.05	0.03	100.00	0.47	370.36	6.3E-5	0.0099	0.0031	0.81
	3.03E-5	0.000	0.105							
0.0024	0.75	0.05	0.03	100.00	0.47	358.61	6.1E-5	0.0095	0.0030	0.81
	2.89E-5	0.000	0.105							
0.0023	0.70	0.04	0.03	100.00	0.47	346.46	5.9E-5	0.0090	0.0028	0.81
	2.75E-5	0.000	0.105							
0.0022	0.65	0.04	0.03	100.00	0.47	333.87	5.7E-5	0.0085	0.0027	0.81
	2.60E-5	0.000	0.105							
0.0020	0.60	0.04	0.02	100.00	0.47	320.78	5.4E-5	0.0080	0.0025	0.81
	2.45E-5	0.000	0.105							
	0.55	0.03	0.02	100.00	0.47	307.13	5.2E-5	0.0075	0.0024	0.81

Liquefy. cal										
0.0019	2.28E-5	0.000	0.105							
	0.50	0.03	0.02	100.00	0.47	292.85	5.0E-5	0.0069	0.0022	0.81
0.0018	2.11E-5	0.000	0.105							
	0.45	0.03	0.02	100.00	0.47	277.83	4.7E-5	0.0063	0.0020	0.81
0.0016	1.92E-5	0.000	0.105							
	0.40	0.02	0.02	100.00	0.47	261.95	4.4E-5	0.0057	0.0018	0.81
0.0015	1.75E-5	0.000	0.105							
	0.35	0.02	0.01	100.00	0.47	245.05	4.2E-5	0.0052	0.0017	0.81
0.0013	1.60E-5	0.000	0.105							
	0.30	0.02	0.01	100.00	0.47	226.88	3.9E-5	0.0047	0.0015	0.81
0.0012	1.43E-5	0.000	0.105							
	0.25	0.02	0.01	100.00	0.47	207.13	3.5E-5	0.0042	0.0013	0.81
0.0011	1.30E-5	0.000	0.105							
	0.20	0.01	0.01	100.00	0.47	185.28	3.1E-5	0.0037	0.0012	0.81
0.0010	1.14E-5	0.000	0.105							
	0.15	0.01	0.01	100.00	0.47	160.48	2.7E-5	0.0032	0.0010	0.81
0.0008	9.70E-6	0.000	0.105							
	0.10	0.01	0.00	100.00	0.47	131.07	2.2E-5	0.0025	0.0008	0.81
0.0006	7.67E-6	0.000	0.105							
	0.05	0.00	0.00	100.00	0.47	92.76	1.6E-5	0.0017	0.0005	0.81
0.0004	5.12E-6	0.000	0.105							
	0.00	0.00	0.00	100.00	0.47	5.28	9.0E-7	0.0010	0.0003	0.81
0.0003	3.11E-6	0.000	0.105							

Settlement of Unsaturated Sands=0.105 in.
 dsz is per each segment, dz=0.05 ft
 dsp is per each print interval, dp=0.05 ft
 S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=0.105 in.
 Differential Settlement=0.053 to 0.069 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf (1 tsf = 1 ton/ft² = 2 kip/ft²)
 1 atm (atmosphere) = 101.325 kPa (1 kPa = 1 kN/m² = 0.001 Mpa)
 SPT Field data from Standard Penetration Test (SPT)
 BPT Field data from Becker Penetration Test (BPT)
 qc Field data from Cone Penetration Test (CPT) [atm (tsf)]
 fs Friction from CPT testing [atm (tsf)]
 Rf Ratio of fs/qc (%)
 gamma Total unit weight of soil
 gamma' Effective unit weight of soil
 Fines Fines content [%]
 D50 Mean grain size
 Dr Relative Density
 sigma Total vertical stress [atm]
 sigma' Effective vertical stress [atm]
 sigC' Effective confining pressure [atm]
 rd Acceleration reduction coefficient by Seed
 a_max. Peak Ground Acceleration (PGA) in ground surface
 mZ Linear acceleration reduction coefficient X depth
 a_min. Minimum acceleration under linear reduction, mZ
 CRRv CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
 CRR7.5 Cyclic resistance ratio (M=7.5)
 Ksig Overburden stress correction factor for CRR7.5
 CRRm After magnitude scaling correction CRRm=CRRv * MSF
 MSF Magnitude scaling factor from M=7.5 to user input M

Liquefy.cal

CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F. S.	Calculated factor of safety against liquefaction
F. S. =CRRm/CSRsf	
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement
cal cul ati on CSRm=CSRsf / MSF*	
i nput ed fs	Cyclic stress ratio induced by earthquake with user
of Page C.	
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLi q	No-Liquefy Soils

References:

1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T. L., and Idriss, I. M., eds., Technical Report NCEER 97-0022. SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center, Report No. EERC 2003-06 by R. B Seed and etc. April 2003.



APPENDIX E

REFERENCES

REFERENCES

1. California Building Standards Commission, 2016 California Building Code.
2. California Division of Mines and Geology (CDMG), Seismic Hazard Zones Map, Inglewood Quadrangle, March 25, 1999, Scale 1:24,000.
3. CDMG, Seismic Hazard Zone Report for the Inglewood 7.5-Minute Quadrangle, Los Angeles County, California, 1998, SHZR 027
4. CGS, Seismic Hazard Zones, Inglewood Quadrangle, March 25, 1999, Scale 1:24,000.
5. CGS, Earthquake Fault Zones Map, Inglewood Quadrangle, July 1, 1986, Scale 1:24,000.
6. Google Earth (2018), Aerial Photographs, 1994-2018.
7. Kramer, S.L., "Geotechnical Earthquake Engineering," Prentice Hall, 1996.
8. NETR Online Historic Aerials and Topographic Maps, www.historicaerials.com, Aerial Photographs 1952-2014, Topographic Maps 1896-2012.
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10. UCSB Library's digital Aerial Photography Collections, Photos C-113 470-472 August 1, 1927, C-300 K 327 January 1, 1928, C 23870 2356-2355 May 1, 1960, AMI LA 4382 January 1, 1969
11. U.S. Geological Survey, U.S. Seismic Design Maps, Version 3.1.0, <http://earthquake.usgs.gov/research/hazmaps/design>.
12. U.S. Geological Survey website, <https://earthquake.usgs.gov/hazards/interactive/>
13. USGS Response to an Urban Earthquake, Geologic Setting for San Fernando Valley, 1994, <http://geohazards.cr.usgs.gov>.
14. Yerkes, et al., 1965, Geology of the Los Angeles Basin California-an Introduction, Geological Survey Professional Paper 420-A



October 4, 2018

RMA Project No: 18G-0129-0

KB Home
25152 Springfield Ct., Suite 180
Valencia, CA 91355

Subject: Response to Third Party Peer Review Letter
File No. 132864-002
Lady Luck Property
1017 West 141st Street
Gardena, California

Reference: Geotechnical Investigation for Lady Luck Property, West 141st Street, Gardena, California, April 19, 2018.

As requested, RMA GeoScience has prepared this report to address the comments in the Third Party Peer Review Letter prepared by Haley & Aldrich, Inc. dated September 19, 2018. A copy of the letter is included with this report.

We appreciate this opportunity to be of continued service to you. If you have any questions regarding this report, please do not hesitate to contact us at your convenience.

Respectfully submitted,
RMA GeoScience

Haiyan Liu, PE
Project Engineer



Mark Swiatek
President

Distribution: Addressee (3)



PROJECT UPDATES

Based on information provided by the Client, the planned improvements includes 14 three-story condominium buildings totaling 63 units and associated driveways, parking lot and common park area.

Isolated spread footings and/or continuous wall footings are recommended to support the proposed structures. If the recommendations in the section on grading are followed and footings are established in compacted fill materials, footings may be designed using the following allowable soil bearing values:

- Continuous Footings:

For one- and two-stories residential structures , footings having a minimum width of 15 inches and a minimum depth of 18 inches below the lowest adjacent grade have allowable bearing capacity of 2,000 pounds per square foot (psf). This value may be increased by 10% for each additional foot of width and/or depth to a maximum value of 3,000 psf. For three-story residential structures, footings should have a minimum width of 18 inches and a minimum depth of 24 inches below the lowest adjacent grade.

- Isolated Spread Footings:

Footings having a minimum width of 24 inches and a minimum depth of 18 inches below the lowest adjacent grade have allowable bearing capacity of 2,000 psf. This value may be increased by 10% for each additional foot of width or depth to a maximum value of 3,000 psf.

RESPONSE TO THIRD PARTY PEER REVIEW LETTER COMMENTS

Review Comment 1:

RMA Report Section 2.05 states that the Newport Inglewood Fault zone is located 1.0 mile east of the site. Our review finds that the site is located approximately 0.4 mile south-southwest of the Newport Inglewood Fault zone, based on our review of California Geological Survey's "Seismic Hazard Zones Inglewood Quadrangle Official Map," released 25 March 1999. Despite this discrepancy, we concur with the RMA Report's stated finding that the project site is not located within an Alquist-Priolo Earthquake Fault Zone, and that there are no known active faults on the site. The RMA Report does not explicitly state the potential for surface fault rupture, though the findings imply that it is negligible. Please revise Review Comment 1 to correct the distance to the Newport Inglewood Fault zone.

Response to Review Comment 1:

We concur with the reviewer that the distance from the site to the Newport Inglewood Fault zone is 0.4 miles to the northeast instead of a distance of one mile east as was stated in Section 2.05 of the referenced report.

Review Comment 2:

The RMA Report does not address the potential for ground settlement associated with cyclic densification of unsaturated medium dense granular soils beneath the building sites due to strong cyclic shaking. This analysis should be completed by RMA, along with any modifications to the foundation recommendations, if appropriate. This issue is potentially significant because the magnitude of total and differential settlement may be greater than



currently estimated in the RMA Report.

Response to Review Comment 2:

Seismic settlement in dry sands was calculated for the soils in the upper 30 feet using the sampler blowcount and soil data from Boring No. 1 at the project site. In order to perform dry sand settlement analysis, additional laboratory tests were performed and the boring logs of Boring No. 1 were updated based on the test results. The updated boring logs were included in this response letter.

The seismic settlement in dry sand was performed using LiquefyPro Version 5 (2015 edition). The analysis also took into account that the (PGA_M) is 0.608g and the Magnitude for the design level earthquake is 6.6 (based on the PSH Deaggregation tool on the USGS website at <https://earthquake.usgs.gov/hazards/interactive/>) for a 10-percent probability for exceedance in 50 years (a return period of 475 years). A summary of the input data and the results of this liquefaction analysis are provided in this response letter. Based on this analysis, the seismic settlement in dry sands is 0.11 inches during a design level earthquake (Factor-of-Safety against liquefaction is greater than 1.2).

For the subject project, the anticipated maximum total settlement (static and seismic) is expected to be 1 inch with a differential settlement of approximately ½ inch in a 30 feet span.

Review Comment 3:

The RMA Report does not address subsidence, as typically defined as ground settlement related to oil or groundwater extraction from the subsurface. Based on our review of readily available data from the United States Geological Survey, the site is not located within a zone of land subsidence (https://ca.water.usgs.gov/land_subsidence/california-subsidence-areas.html). Please revise the RMA Report to address subsidence.

Response to Review Comment 3:

We concur that the site is not located within a zone of land subsidence according to the United States Geological Survey California Water Science Center website. It is our opinion that the potential for land subsidence due to over pumping of groundwater or oil extraction is low.

Review Comment 4:

RMA Report Section 3.03 states that seismically induced flooding at the site is “unlikely;” however, the RMA Report does not provide a reason for this finding. The Federal Emergency Management Agency (FEMA) has mapped the site with an “Area of Minimal Flood Hazard” (<https://msc.fema.gov/portal/home>), which supports the RMA Report’s assessment of flood potential. Please revise the RMA Report to substantiate the finding that seismically induced flooding at the site is unlikely.

Response to Review Comment 4:

According to Federal Emergency Management Agency (Flood Insurance Rate Map #06037C1795F, Effective date 9/26/2008), the site is located in an area of Flood Zone X, which is an area where the likelihood of flood hazards is considered minimal. In addition there are no water reservoirs in the vicinity of the site. Based on the

forementioned the potential for seismic induced flooding is unlikely.

Review Comment 5:

RMA Report Section 2.03 states, "Based on our preliminary observations and laboratory data, the soils at shallow depths are expected to have an expansion index in the low range. Additional expansion index and plasticity index testing will be required at the completion of rough grading to verify the properties of the near surface soils." Laboratory data presented in the RMA Report includes one Expansion Index test (EI = 22) and one Atterberg Limits test (Plasticity Index = 9), both performed on a near-surface sample of clayey soil at boring B2. These results agree with the RMA Report's assessment that soils at shallow depths have low expansion potential. No revision to the RMA Report is required concerning expansion potential.

Review Comment 6:

RMA Report Section 3.11, which addresses lateral resistance, describes parameters for passive earth pressure, coefficient of friction, lateral active earth pressure, and a seismic increment based on the Mononobe-Okabe method. Based on Haley & Aldrich's experience the soil immediately adjacent to shallow footings may be disturbed by inadvertent excavations and/or removal of soil, and therefore, the actual passive soil resistance may be significantly less than the computed values unless the soil is protected from disturbance. Therefore, RMA should consider a requirement to neglect passive soil resistance from the upper foot of soil unless protected by a concrete slab or pavement. This issue is potentially significant because the passive soil resistance against shallow spread footing, as described in the RMA Report may not be available if the soil adjacent to the footings is disturbed by excavation or removed from the site. Please revise the RMA Report to address passive soil resistance.

Response to Review Comment 6: We concur the requirement to neglect passive soil resistance from the upper foot of soil unless protected by a concrete slab or pavement.



REVIEW LETTER



HALEY & ALDRICH, INC.
2033 N. Main Street
Suite 309
Walnut Creek, CA 94596
925.949.1012

19 September 2018
File No. 132864-002

Kimley-Horn and Associates, Inc.
765 The City Drive, Suite 200
Orange, California 92868

Attention: Ms. Rita Garcia
Project Manager

Subject: Third Party Peer Review of Geotechnical Investigation
Lady Luck Property
Stoneridge 63 Condominiums
1017 West 141st Street
Gardena, California

Ladies and Gentlemen:

This letter summarizes Haley & Aldrich, Inc.'s (Haley & Aldrich's) third-party review of the 19 April 2018, "Geotechnical Investigation, Lady Luck Property," (RMA Report) prepared by RMA GeoScience for the proposed Stoneridge 63 Condominiums in Gardena, California. The project site is located at 14031 South Vermont Avenue and 1017 West 141st Street in Gardena, California. The proposed development includes construction of 63 condominium units in 14 three-story buildings.

We performed a site visit to assess current site conditions on 10 September 2018. The site is currently occupied by two vacant commercial/light industrial buildings on the east side of the property and the remaining area consists of paved parking. A storm drain runs west to east on the northern part of the parking lot and has several inlets. Surrounding land uses include commercial (RV parking) to the north, commercial (casino) to the south, South Vermont Avenue to the east, and single-family residential to the west.

Following our site visit, we reviewed the RMA Report's geotechnical recommendations for the proposed project, as well as the findings on potential geologic hazards at the site, including the potential for surface fault rupture (Alquist-Priolo Earthquake Fault Zones), ground shaking, liquefaction, landslides, seismic settlement, subsidence, flooding, and expansive soils. The investigation described in the RMA Report included advancing five hollow-stem auger borings to depths of approximately 16.5 to 31.5 feet below the ground surface (bgs) and collecting samples for laboratory testing. The RMA Report addresses geology and geologic hazards including the site's proximity to the Newport-Inglewood Fault zone, discusses recommendations for shallow structure foundations, and presents conclusions regarding the expansion potential of soils onsite. As stated in the RMA Report, RMA has estimated that the three-story residential structures will settle approximately ½-inch for shallow foundations designed with recommended bearing capacities.

Haley & Aldrich generally concurs with the findings and recommendations presented in the RMA Report, except the following comments/concerns:

- RMA Report Section 2.05 states that the Newport Inglewood Fault zone is located 1.0 mile east of the site. Our review finds that the site is located approximately 0.4 mile south-southwest of the Newport Inglewood Fault zone, based on our review of California Geological Survey's "Seismic Hazard Zones Inglewood Quadrangle Official Map," released 25 March 1999. Despite this discrepancy, we concur with the RMA Report's stated finding that the project site is not located within an Alquist-Priolo Earthquake Fault Zone, and that there are no known active faults on the site. The RMA Report does not explicitly state the potential for surface fault rupture, though the findings imply that it is negligible. Please revise the RMA Report to correct the distance to the Newport Inglewood Fault zone.
- The RMA Report does not address the potential for ground settlement associated with cyclic densification of unsaturated medium dense granular soils beneath the building sites due to strong cyclic shaking. This analysis should be completed by RMA, along with any modifications to the foundation recommendations, if appropriate. This issue is potentially significant because the magnitude of total and differential settlement may be greater than currently estimated in the RMA Report.
- The RMA Report does not address subsidence, as typically defined as ground settlement related to oil or groundwater extraction from the subsurface. Based on our review of readily available data from the United States Geological Survey, the site is not located within a zone of land subsidence (https://ca.water.usgs.gov/land_subsidence/california-subsidence-areas.html). Please revise the RMA Report to address subsidence.
- RMA Report Section 3.03 states that seismically induced flooding at the site is "unlikely;" however, the RMA Report does not provide a reason for this finding. The Federal Emergency Management Agency (FEMA) has mapped the site within an "Area of Minimal Flood Hazard" (<https://msc.fema.gov/portal/home>), which supports the RMA Report's assessment of flood potential. Please revise the RMA Report to substantiate the finding that seismically induced flooding at the site is unlikely.
- RMA Report Section 2.03 states, "Based on our preliminary observations and laboratory data, the soils at shallow depths are expected to have an expansion index in the low range. Additional expansion index and plasticity index testing will be required at the completion of rough grading to verify the properties of the near surface soils." Laboratory data presented in the RMA Report includes one Expansion Index test (EI = 22) and one Atterberg Limits test (Plasticity Index = 9), both performed on a near-surface sample of clayey soil at boring B2. These results agree with the RMA Report's assessment that soils at shallow depths have low expansion potential. No revision to the RMA Report is required concerning expansion potential.

- RMA report Section 3.11, which addresses lateral load resistance, describes parameters for passive earth pressure, coefficient of friction, lateral active earth pressure, and a seismic increment based on the Mononobe-Okabe method. Based on Haley & Aldrich's experience, the soil immediately adjacent to shallow footings may be disturbed by inadvertent excavations and/or removal of soil, and therefore, the actual passive soil resistance may be significantly less than the computed values unless the soil is protected from disturbance. Therefore, RMA should consider a requirement to neglect passive soil resistance from the upper foot of soil unless protected by a concrete slab or pavement. This issue is potentially significant because the passive soil resistance against shallow spread footing, as described in the RMA Report, may not be available if the soil adjacent to the footings is disturbed by excavation or removed from the site. Please revise the RMA Report to address passive soil resistance.

In conclusion, Haley & Aldrich concurs with most of the findings and recommendations presented in the RMA Report, except the issues described above. Haley & Aldrich suggest that RMA review the comments and concerns described above and provide a written response or clarification. Subsequently, Haley & Aldrich will review RMA's responses and/or clarifying statements and determine if the geotechnical issues identified in this letter have been adequately addressed.

We appreciate the opportunity to provide our profession services to you on this project. If you have any questions or require any additional information, please do not hesitate to call.

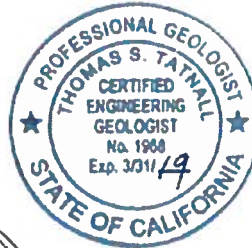
Sincerely yours,
HALEY & ALDRICH, INC.



Thomas Tatnall
Certified Engineering Geologist



Dean H. Iwasa
Geotechnical Engineer





UPDATED BORING LOGS



9854 Glenoaks Blvd., Sun Valley, CA 91352

BORING NUMBER 1

Page 1 of 1

Client: KB Home
 Project Number 18G-0129-0
 Date Started: 3/29/2018 Completed: 3/29/2018
 Excavation Method Hollowstem Auger
 Drilling Contractor: Choice Drilling
 Logged By: mbk Checked By: HHL

Project Name: Lucky Lady
 Project Location: 1017 W. 141 St., Gardena, CA
 Ground Elevation: 55 feet MSL
 Ground Water Levels: Not Encountered
 Notes: 140 lb Auto Hammer; 30 inch drop

Depth (ft)	Drive Sample	Blow Count (N Value)	Bulk Sample	Moisture Content (%)	Dry Unit Weight (pcf)	Wet Unit Weight (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Material Description	<#200	USCS Classification
										ASPHALT: 3" BASE: 9"		
										Artificial Fill (Af): Medium gray and orange brown, Clayey SILT, slightly micaceous, slightly moist, medium stiff		ML
5		6,8,11		17.8						Older Alluvium (Qoa): Orange brown interbedded Clayey SILT with fine Sand and fine Sandy SILT with Clay, minor rootlets, slightly moist, very stiff		ML
		12,15,18		11.5	115.6	128.9				@ 5' Light orange brown, Silty fine SAND, slightly moist, medium dense	36	SM
		5,9,6		16.1						@ 7.5' same as above, minor dark brown infilling of root pathways, slightly moist, medium dense		SM
10		18,50/6"		5.9	113.2	119.9				@ 10' same as above, slightly moist, dense		SM
		11,14,21		6.7						@ 10.75' Light orange brown Gravelly fine to medium Silty SAND, slightly moist, dense	24	SM
		20,32,45		5.6	114.4	120.8				@ 12.5' Light orange brown Gravelly fine to coarse SAND with Silt, slightly moist, dense		SM
15		8,35,48		7.4						@ 15' Light orange gray interbedded fine to medium SAND with Silt and light orange brown fine to coarse Gravelly SAND w/ trace Silt, slightly moist, dense	17	SM
		29,50/6"		14.3	119.1	136.1				@ 17.5' Light orange fine to coarse SAND with trace Silt, slightly moist very dense		SP
20		8,11,12		14.1						@ 20' Mottled light gray and orange brown fine Sandy SILT with clay slightly moist, very dense, slightly plastic	56	ML
		29,50/6"		14.4	119.8	137.1				@ 22.5' same as above with minor Clay, black manganese and orange iron oxides staining along rootlet pathways, no pores, slightly moist, dense		ML
25		8,10,13		11.7						@ 25' same as above, slightly moist, dense	51	ML
		24,50/6"		11.6	117.0	130.6				@ 27.5' same as above, slightly moist, medium dense		ML
30										@ 30' same as above, slightly moist, dense	43	SM
Total Depth 31.5'; No Groundwater Encountered; Backfilled, Tamped, and Asphalt Patched 3/29/18												



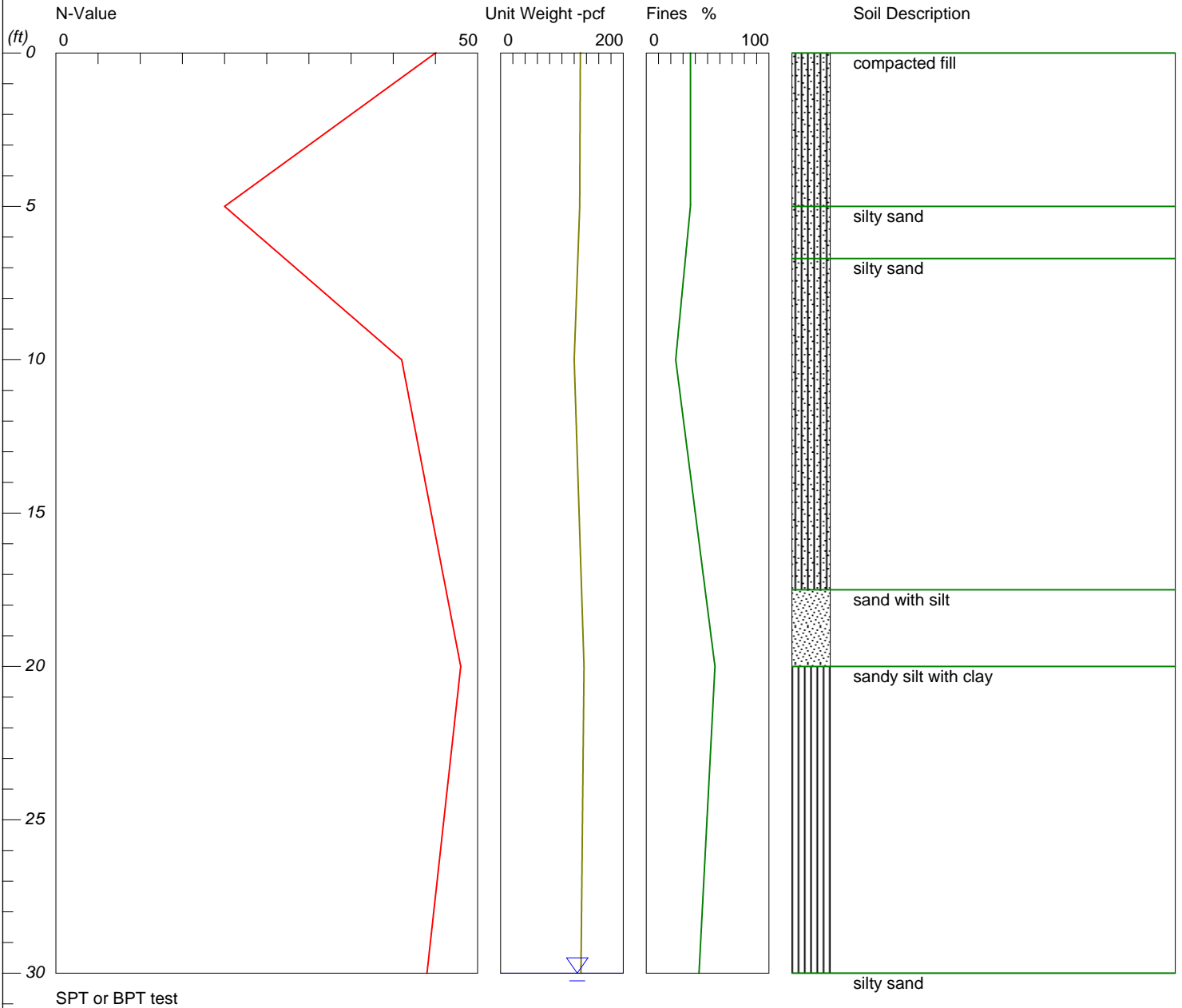
DRY SAND SETTLEMENT ANALYSIS RESULTS

LIQUEFACTION ANALYSIS

Settlement of Dry Sand, Lady Luck Property

Hole No.=B-1 Water Depth=30 ft Surface Elev.=55 ft

**Magnitude=6.6
Acceleration=0.608g**



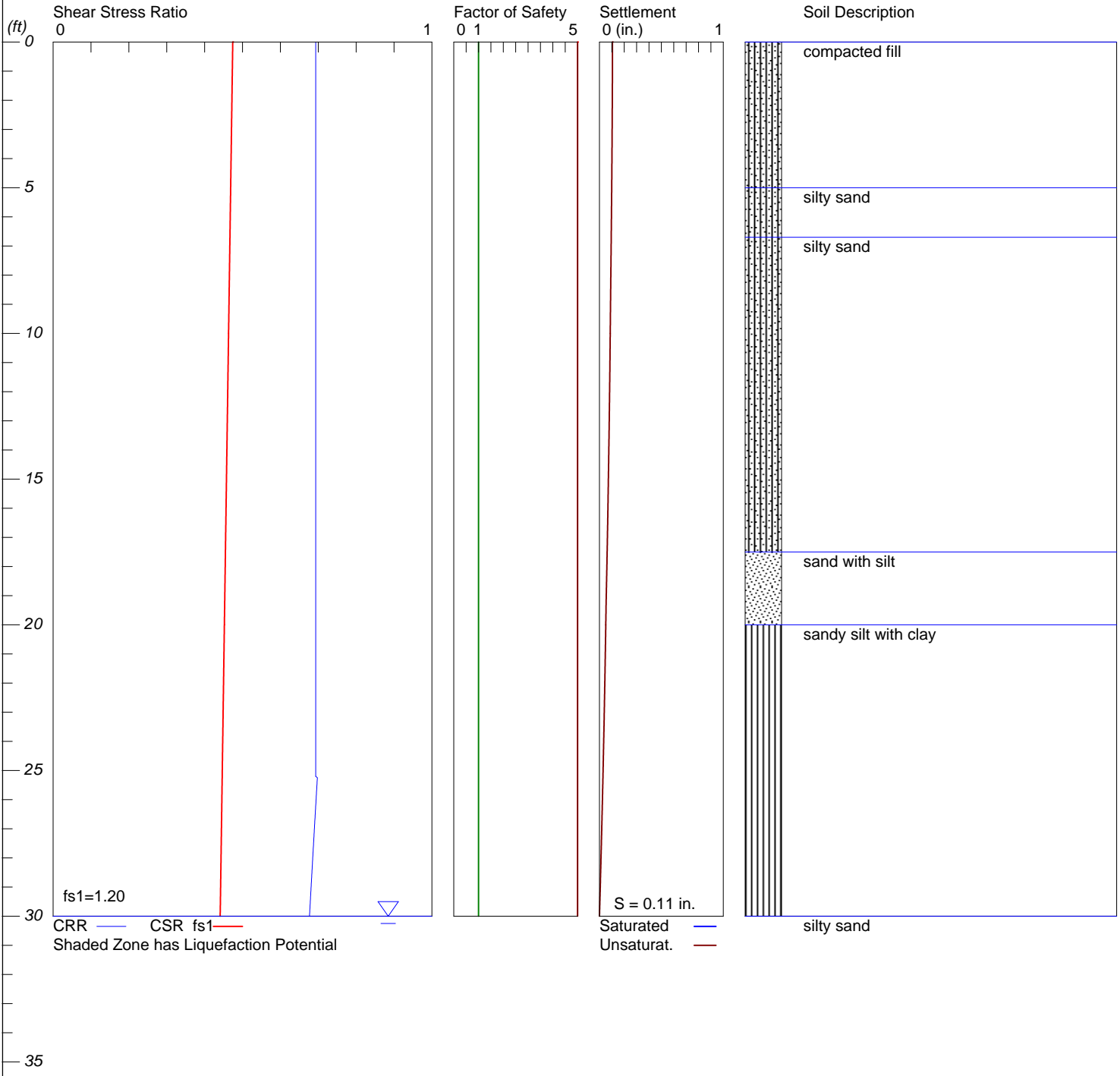
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

Settlement of Dry Sand, Lady Luck Property

Hole No.=B-1 Water Depth=30 ft Surface Elev.=55 ft

**Magnitude=6.6
Acceleration=0.608g**



LiquefyPro CivilTech Software USA www.civiltech.com

Li quefy. cal

LIQUEFACTION ANALYSIS CALCULATION DETAILS

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Input File Name: G:_Projects\2018\18G-0129\Li quefyPro\dry sand
settlement.liq
Title: Settlement of Dry Sand, Lady Luck Property
Subtitle: 18G-0129-0

Input Data:

Surface Elev.=55 ft
Hole No.=B-1
Depth of Hole=30.00 ft
Water Table during Earthquake= 30.00 ft
Water Table during In-Situ Testing= 30.00 ft
Max. Acceleration=0.61 g
Earthquake Magnitude=6.60
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Stark/Olson et al.*
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.5
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.2
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
0.00	45.00	130.00	36.00
5.00	20.00	129.00	36.00
10.00	41.00	120.00	24.00
20.00	48.00	136.00	56.00
30.00	44.00	131.00	43.00

Output Results:

Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.61g

CSR Calculation:

Depth =CSRfs	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ	a(z)	CSR	x
ft	pcf	atm	pcf	atm		g	g		

Liquefy. cal

—	0.00	130.00	0.000	130.00	0.000	1.00	0.000	0.608	0.40	1.20
0.47	0.05	129.99	0.003	129.99	0.003	1.00	0.000	0.608	0.40	1.20
0.47	0.10	129.98	0.006	129.98	0.006	1.00	0.000	0.608	0.40	1.20
0.47	0.15	129.97	0.009	129.97	0.009	1.00	0.000	0.608	0.40	1.20
0.47	0.20	129.96	0.012	129.96	0.012	1.00	0.000	0.608	0.40	1.20
0.47	0.25	129.95	0.015	129.95	0.015	1.00	0.000	0.608	0.39	1.20
0.47	0.30	129.94	0.018	129.94	0.018	1.00	0.000	0.608	0.39	1.20
0.47	0.35	129.93	0.022	129.93	0.022	1.00	0.000	0.608	0.39	1.20
0.47	0.40	129.92	0.025	129.92	0.025	1.00	0.000	0.608	0.39	1.20
0.47	0.45	129.91	0.028	129.91	0.028	1.00	0.000	0.608	0.39	1.20
0.47	0.50	129.90	0.031	129.90	0.031	1.00	0.000	0.608	0.39	1.20
0.47	0.55	129.89	0.034	129.89	0.034	1.00	0.000	0.608	0.39	1.20
0.47	0.60	129.88	0.037	129.88	0.037	1.00	0.000	0.608	0.39	1.20
0.47	0.65	129.87	0.040	129.87	0.040	1.00	0.000	0.608	0.39	1.20
0.47	0.70	129.86	0.043	129.86	0.043	1.00	0.000	0.608	0.39	1.20
0.47	0.75	129.85	0.046	129.85	0.046	1.00	0.000	0.608	0.39	1.20
0.47	0.80	129.84	0.049	129.84	0.049	1.00	0.000	0.608	0.39	1.20
0.47	0.85	129.83	0.052	129.83	0.052	1.00	0.000	0.608	0.39	1.20
0.47	0.90	129.82	0.055	129.82	0.055	1.00	0.000	0.608	0.39	1.20
0.47	0.95	129.81	0.058	129.81	0.058	1.00	0.000	0.608	0.39	1.20
0.47	1.00	129.80	0.061	129.80	0.061	1.00	0.000	0.608	0.39	1.20
0.47	1.05	129.79	0.064	129.79	0.064	1.00	0.000	0.608	0.39	1.20
0.47	1.10	129.78	0.068	129.78	0.068	1.00	0.000	0.608	0.39	1.20
0.47	1.15	129.77	0.071	129.77	0.071	1.00	0.000	0.608	0.39	1.20
0.47	1.20	129.76	0.074	129.76	0.074	1.00	0.000	0.608	0.39	1.20
0.47	1.25	129.75	0.077	129.75	0.077	1.00	0.000	0.608	0.39	1.20
0.47	1.30	129.74	0.080	129.74	0.080	1.00	0.000	0.608	0.39	1.20
0.47	1.35	129.73	0.083	129.73	0.083	1.00	0.000	0.608	0.39	1.20
0.47	1.40	129.72	0.086	129.72	0.086	1.00	0.000	0.608	0.39	1.20
0.47	1.45	129.71	0.089	129.71	0.089	1.00	0.000	0.608	0.39	1.20
0.47	1.50	129.70	0.092	129.70	0.092	1.00	0.000	0.608	0.39	1.20

Li quefy. cal

0. 47										
0. 47	1. 55	129. 69	0. 095	129. 69	0. 095	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 60	129. 68	0. 098	129. 68	0. 098	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 65	129. 67	0. 101	129. 67	0. 101	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 70	129. 66	0. 104	129. 66	0. 104	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 75	129. 65	0. 107	129. 65	0. 107	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 80	129. 64	0. 110	129. 64	0. 110	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 85	129. 63	0. 113	129. 63	0. 113	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 90	129. 62	0. 117	129. 62	0. 117	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	1. 95	129. 61	0. 120	129. 61	0. 120	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	2. 00	129. 60	0. 123	129. 60	0. 123	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	2. 05	129. 59	0. 126	129. 59	0. 126	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	2. 10	129. 58	0. 129	129. 58	0. 129	1. 00	0. 000	0. 608	0. 39	1. 20
0. 47	2. 15	129. 57	0. 132	129. 57	0. 132	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 20	129. 56	0. 135	129. 56	0. 135	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 25	129. 55	0. 138	129. 55	0. 138	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 30	129. 54	0. 141	129. 54	0. 141	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 35	129. 53	0. 144	129. 53	0. 144	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 40	129. 52	0. 147	129. 52	0. 147	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 45	129. 51	0. 150	129. 51	0. 150	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 50	129. 50	0. 153	129. 50	0. 153	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 55	129. 49	0. 156	129. 49	0. 156	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 60	129. 48	0. 159	129. 48	0. 159	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 65	129. 47	0. 162	129. 47	0. 162	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 70	129. 46	0. 166	129. 46	0. 166	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 75	129. 45	0. 169	129. 45	0. 169	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 80	129. 44	0. 172	129. 44	0. 172	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 85	129. 43	0. 175	129. 43	0. 175	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 90	129. 42	0. 178	129. 42	0. 178	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	2. 95	129. 41	0. 181	129. 41	0. 181	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	3. 00	129. 40	0. 184	129. 40	0. 184	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	3. 05	129. 39	0. 187	129. 39	0. 187	0. 99	0. 000	0. 608	0. 39	1. 20

Liquefy. cal

0.47	3.10	129.38	0.190	129.38	0.190	0.99	0.000	0.608	0.39	1.20
0.47	3.15	129.37	0.193	129.37	0.193	0.99	0.000	0.608	0.39	1.20
0.47	3.20	129.36	0.196	129.36	0.196	0.99	0.000	0.608	0.39	1.20
0.47	3.25	129.35	0.199	129.35	0.199	0.99	0.000	0.608	0.39	1.20
0.47	3.30	129.34	0.202	129.34	0.202	0.99	0.000	0.608	0.39	1.20
0.47	3.35	129.33	0.205	129.33	0.205	0.99	0.000	0.608	0.39	1.20
0.47	3.40	129.32	0.208	129.32	0.208	0.99	0.000	0.608	0.39	1.20
0.47	3.45	129.31	0.211	129.31	0.211	0.99	0.000	0.608	0.39	1.20
0.47	3.50	129.30	0.214	129.30	0.214	0.99	0.000	0.608	0.39	1.20
0.47	3.55	129.29	0.218	129.29	0.218	0.99	0.000	0.608	0.39	1.20
0.47	3.60	129.28	0.221	129.28	0.221	0.99	0.000	0.608	0.39	1.20
0.47	3.65	129.27	0.224	129.27	0.224	0.99	0.000	0.608	0.39	1.20
0.47	3.70	129.26	0.227	129.26	0.227	0.99	0.000	0.608	0.39	1.20
0.47	3.75	129.25	0.230	129.25	0.230	0.99	0.000	0.608	0.39	1.20
0.47	3.80	129.24	0.233	129.24	0.233	0.99	0.000	0.608	0.39	1.20
0.47	3.85	129.23	0.236	129.23	0.236	0.99	0.000	0.608	0.39	1.20
0.47	3.90	129.22	0.239	129.22	0.239	0.99	0.000	0.608	0.39	1.20
0.47	3.95	129.21	0.242	129.21	0.242	0.99	0.000	0.608	0.39	1.20
0.47	4.00	129.20	0.245	129.20	0.245	0.99	0.000	0.608	0.39	1.20
0.47	4.05	129.19	0.248	129.19	0.248	0.99	0.000	0.608	0.39	1.20
0.47	4.10	129.18	0.251	129.18	0.251	0.99	0.000	0.608	0.39	1.20
0.47	4.15	129.17	0.254	129.17	0.254	0.99	0.000	0.608	0.39	1.20
0.47	4.20	129.16	0.257	129.16	0.257	0.99	0.000	0.608	0.39	1.20
0.47	4.25	129.15	0.260	129.15	0.260	0.99	0.000	0.608	0.39	1.20
0.47	4.30	129.14	0.263	129.14	0.263	0.99	0.000	0.608	0.39	1.20
0.47	4.35	129.13	0.266	129.13	0.266	0.99	0.000	0.608	0.39	1.20
0.47	4.40	129.12	0.269	129.12	0.269	0.99	0.000	0.608	0.39	1.20
0.47	4.45	129.11	0.272	129.11	0.272	0.99	0.000	0.608	0.39	1.20
0.47	4.50	129.10	0.276	129.10	0.276	0.99	0.000	0.608	0.39	1.20
0.47	4.55	129.09	0.279	129.09	0.279	0.99	0.000	0.608	0.39	1.20
0.47	4.60	129.08	0.282	129.08	0.282	0.99	0.000	0.608	0.39	1.20
0.47	4.65	129.07	0.285	129.07	0.285	0.99	0.000	0.608	0.39	1.20

Li quefy. cal

0. 47										
0. 47	4. 70	129. 06	0. 288	129. 06	0. 288	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 75	129. 05	0. 291	129. 05	0. 291	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 80	129. 04	0. 294	129. 04	0. 294	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 85	129. 03	0. 297	129. 03	0. 297	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 90	129. 02	0. 300	129. 02	0. 300	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	4. 95	129. 01	0. 303	129. 01	0. 303	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 00	129. 00	0. 306	129. 00	0. 306	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 05	128. 91	0. 309	128. 91	0. 309	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 10	128. 82	0. 312	128. 82	0. 312	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 15	128. 73	0. 315	128. 73	0. 315	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 20	128. 64	0. 318	128. 64	0. 318	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 25	128. 55	0. 321	128. 55	0. 321	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 30	128. 46	0. 324	128. 46	0. 324	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 35	128. 37	0. 327	128. 37	0. 327	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 40	128. 28	0. 330	128. 28	0. 330	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 45	128. 19	0. 333	128. 19	0. 333	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 50	128. 10	0. 336	128. 10	0. 336	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 55	128. 01	0. 339	128. 01	0. 339	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 60	127. 92	0. 342	127. 92	0. 342	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 65	127. 83	0. 345	127. 83	0. 345	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 70	127. 74	0. 348	127. 74	0. 348	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 75	127. 65	0. 351	127. 65	0. 351	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 80	127. 56	0. 355	127. 56	0. 355	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 85	127. 47	0. 358	127. 47	0. 358	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 90	127. 38	0. 361	127. 38	0. 361	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	5. 95	127. 29	0. 364	127. 29	0. 364	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 00	127. 20	0. 367	127. 20	0. 367	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 05	127. 11	0. 370	127. 11	0. 370	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 10	127. 02	0. 373	127. 02	0. 373	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 15	126. 93	0. 376	126. 93	0. 376	0. 99	0. 000	0. 608	0. 39	1. 20
0. 47	6. 20	126. 84	0. 379	126. 84	0. 379	0. 99	0. 000	0. 608	0. 39	1. 20

Liquefy. cal

0.47	6.25	126.75	0.382	126.75	0.382	0.99	0.000	0.608	0.39	1.20
0.47	6.30	126.66	0.385	126.66	0.385	0.99	0.000	0.608	0.39	1.20
0.47	6.35	126.57	0.388	126.57	0.388	0.99	0.000	0.608	0.39	1.20
0.47	6.40	126.48	0.391	126.48	0.391	0.99	0.000	0.608	0.39	1.20
0.47	6.45	126.39	0.394	126.39	0.394	0.98	0.000	0.608	0.39	1.20
0.47	6.50	126.30	0.397	126.30	0.397	0.98	0.000	0.608	0.39	1.20
0.47	6.55	126.21	0.399	126.21	0.399	0.98	0.000	0.608	0.39	1.20
0.47	6.60	126.12	0.402	126.12	0.402	0.98	0.000	0.608	0.39	1.20
0.47	6.65	126.03	0.405	126.03	0.405	0.98	0.000	0.608	0.39	1.20
0.47	6.70	125.94	0.408	125.94	0.408	0.98	0.000	0.608	0.39	1.20
0.47	6.75	125.85	0.411	125.85	0.411	0.98	0.000	0.608	0.39	1.20
0.47	6.80	125.76	0.414	125.76	0.414	0.98	0.000	0.608	0.39	1.20
0.47	6.85	125.67	0.417	125.67	0.417	0.98	0.000	0.608	0.39	1.20
0.47	6.90	125.58	0.420	125.58	0.420	0.98	0.000	0.608	0.39	1.20
0.47	6.95	125.49	0.423	125.49	0.423	0.98	0.000	0.608	0.39	1.20
0.47	7.00	125.40	0.426	125.40	0.426	0.98	0.000	0.608	0.39	1.20
0.47	7.05	125.31	0.429	125.31	0.429	0.98	0.000	0.608	0.39	1.20
0.47	7.10	125.22	0.432	125.22	0.432	0.98	0.000	0.608	0.39	1.20
0.47	7.15	125.13	0.435	125.13	0.435	0.98	0.000	0.608	0.39	1.20
0.47	7.20	125.04	0.438	125.04	0.438	0.98	0.000	0.608	0.39	1.20
0.47	7.25	124.95	0.441	124.95	0.441	0.98	0.000	0.608	0.39	1.20
0.47	7.30	124.86	0.444	124.86	0.444	0.98	0.000	0.608	0.39	1.20
0.47	7.35	124.77	0.447	124.77	0.447	0.98	0.000	0.608	0.39	1.20
0.47	7.40	124.68	0.450	124.68	0.450	0.98	0.000	0.608	0.39	1.20
0.47	7.45	124.59	0.453	124.59	0.453	0.98	0.000	0.608	0.39	1.20
0.47	7.50	124.50	0.456	124.50	0.456	0.98	0.000	0.608	0.39	1.20
0.47	7.55	124.41	0.459	124.41	0.459	0.98	0.000	0.608	0.39	1.20
0.47	7.60	124.32	0.462	124.32	0.462	0.98	0.000	0.608	0.39	1.20
0.47	7.65	124.23	0.465	124.23	0.465	0.98	0.000	0.608	0.39	1.20
0.47	7.70	124.14	0.468	124.14	0.468	0.98	0.000	0.608	0.39	1.20
0.47	7.75	124.05	0.470	124.05	0.470	0.98	0.000	0.608	0.39	1.20
0.47	7.80	123.96	0.473	123.96	0.473	0.98	0.000	0.608	0.39	1.20

Liquefy. cal

0.47										
0.47	7.85	123.87	0.476	123.87	0.476	0.98	0.000	0.608	0.39	1.20
0.47	7.90	123.78	0.479	123.78	0.479	0.98	0.000	0.608	0.39	1.20
0.47	7.95	123.69	0.482	123.69	0.482	0.98	0.000	0.608	0.39	1.20
0.47	8.00	123.60	0.485	123.60	0.485	0.98	0.000	0.608	0.39	1.20
0.47	8.05	123.51	0.488	123.51	0.488	0.98	0.000	0.608	0.39	1.20
0.47	8.10	123.42	0.491	123.42	0.491	0.98	0.000	0.608	0.39	1.20
0.47	8.15	123.33	0.494	123.33	0.494	0.98	0.000	0.608	0.39	1.20
0.47	8.20	123.24	0.497	123.24	0.497	0.98	0.000	0.608	0.39	1.20
0.47	8.25	123.15	0.500	123.15	0.500	0.98	0.000	0.608	0.39	1.20
0.47	8.30	123.06	0.503	123.06	0.503	0.98	0.000	0.608	0.39	1.20
0.47	8.35	122.97	0.506	122.97	0.506	0.98	0.000	0.608	0.39	1.20
0.47	8.40	122.88	0.508	122.88	0.508	0.98	0.000	0.608	0.39	1.20
0.46	8.45	122.79	0.511	122.79	0.511	0.98	0.000	0.608	0.39	1.20
0.46	8.50	122.70	0.514	122.70	0.514	0.98	0.000	0.608	0.39	1.20
0.46	8.55	122.61	0.517	122.61	0.517	0.98	0.000	0.608	0.39	1.20
0.46	8.60	122.52	0.520	122.52	0.520	0.98	0.000	0.608	0.39	1.20
0.46	8.65	122.43	0.523	122.43	0.523	0.98	0.000	0.608	0.39	1.20
0.46	8.70	122.34	0.526	122.34	0.526	0.98	0.000	0.608	0.39	1.20
0.46	8.75	122.25	0.529	122.25	0.529	0.98	0.000	0.608	0.39	1.20
0.46	8.80	122.16	0.532	122.16	0.532	0.98	0.000	0.608	0.39	1.20
0.46	8.85	122.07	0.534	122.07	0.534	0.98	0.000	0.608	0.39	1.20
0.46	8.90	121.98	0.537	121.98	0.537	0.98	0.000	0.608	0.39	1.20
0.46	8.95	121.89	0.540	121.89	0.540	0.98	0.000	0.608	0.39	1.20
0.46	9.00	121.80	0.543	121.80	0.543	0.98	0.000	0.608	0.39	1.20
0.46	9.05	121.71	0.546	121.71	0.546	0.98	0.000	0.608	0.39	1.20
0.46	9.10	121.62	0.549	121.62	0.549	0.98	0.000	0.608	0.39	1.20
0.46	9.15	121.53	0.552	121.53	0.552	0.98	0.000	0.608	0.39	1.20
0.46	9.20	121.44	0.555	121.44	0.555	0.98	0.000	0.608	0.39	1.20
0.46	9.25	121.35	0.557	121.35	0.557	0.98	0.000	0.608	0.39	1.20
0.46	9.30	121.26	0.560	121.26	0.560	0.98	0.000	0.608	0.39	1.20
0.46	9.35	121.17	0.563	121.17	0.563	0.98	0.000	0.608	0.39	1.20

Liquefy. cal

0.46	9.40	121.08	0.566	121.08	0.566	0.98	0.000	0.608	0.39	1.20
0.46	9.45	120.99	0.569	120.99	0.569	0.98	0.000	0.608	0.39	1.20
0.46	9.50	120.90	0.572	120.90	0.572	0.98	0.000	0.608	0.39	1.20
0.46	9.55	120.81	0.575	120.81	0.575	0.98	0.000	0.608	0.39	1.20
0.46	9.60	120.72	0.578	120.72	0.578	0.98	0.000	0.608	0.39	1.20
0.46	9.65	120.63	0.580	120.63	0.580	0.98	0.000	0.608	0.39	1.20
0.46	9.70	120.54	0.583	120.54	0.583	0.98	0.000	0.608	0.39	1.20
0.46	9.75	120.45	0.586	120.45	0.586	0.98	0.000	0.608	0.39	1.20
0.46	9.80	120.36	0.589	120.36	0.589	0.98	0.000	0.608	0.39	1.20
0.46	9.85	120.27	0.592	120.27	0.592	0.98	0.000	0.608	0.39	1.20
0.46	9.90	120.18	0.595	120.18	0.595	0.98	0.000	0.608	0.39	1.20
0.46	9.95	120.09	0.597	120.09	0.597	0.98	0.000	0.608	0.39	1.20
0.46	10.00	120.00	0.600	120.00	0.600	0.98	0.000	0.608	0.39	1.20
0.46	10.05	120.08	0.603	120.08	0.603	0.98	0.000	0.608	0.39	1.20
0.46	10.10	120.16	0.606	120.16	0.606	0.98	0.000	0.608	0.39	1.20
0.46	10.15	120.24	0.609	120.24	0.609	0.98	0.000	0.608	0.39	1.20
0.46	10.20	120.32	0.612	120.32	0.612	0.98	0.000	0.608	0.39	1.20
0.46	10.25	120.40	0.614	120.40	0.614	0.98	0.000	0.608	0.39	1.20
0.46	10.30	120.48	0.617	120.48	0.617	0.98	0.000	0.608	0.39	1.20
0.46	10.35	120.56	0.620	120.56	0.620	0.98	0.000	0.608	0.39	1.20
0.46	10.40	120.64	0.623	120.64	0.623	0.98	0.000	0.608	0.39	1.20
0.46	10.45	120.72	0.626	120.72	0.626	0.98	0.000	0.608	0.39	1.20
0.46	10.50	120.80	0.629	120.80	0.629	0.98	0.000	0.608	0.39	1.20
0.46	10.55	120.88	0.632	120.88	0.632	0.98	0.000	0.608	0.39	1.20
0.46	10.60	120.96	0.634	120.96	0.634	0.98	0.000	0.608	0.39	1.20
0.46	10.65	121.04	0.637	121.04	0.637	0.98	0.000	0.608	0.39	1.20
0.46	10.70	121.12	0.640	121.12	0.640	0.98	0.000	0.608	0.39	1.20
0.46	10.75	121.20	0.643	121.20	0.643	0.97	0.000	0.608	0.39	1.20
0.46	10.80	121.28	0.646	121.28	0.646	0.97	0.000	0.608	0.39	1.20
0.46	10.85	121.36	0.649	121.36	0.649	0.97	0.000	0.608	0.39	1.20
0.46	10.90	121.44	0.652	121.44	0.652	0.97	0.000	0.608	0.39	1.20
0.46	10.95	121.52	0.654	121.52	0.654	0.97	0.000	0.608	0.39	1.20

Liquefy. cal

0.46										
0.46	11.00	121.60	0.657	121.60	0.657	0.97	0.000	0.608	0.39	1.20
0.46	11.05	121.68	0.660	121.68	0.660	0.97	0.000	0.608	0.39	1.20
0.46	11.10	121.76	0.663	121.76	0.663	0.97	0.000	0.608	0.38	1.20
0.46	11.15	121.84	0.666	121.84	0.666	0.97	0.000	0.608	0.38	1.20
0.46	11.20	121.92	0.669	121.92	0.669	0.97	0.000	0.608	0.38	1.20
0.46	11.25	122.00	0.672	122.00	0.672	0.97	0.000	0.608	0.38	1.20
0.46	11.30	122.08	0.675	122.08	0.675	0.97	0.000	0.608	0.38	1.20
0.46	11.35	122.16	0.677	122.16	0.677	0.97	0.000	0.608	0.38	1.20
0.46	11.40	122.24	0.680	122.24	0.680	0.97	0.000	0.608	0.38	1.20
0.46	11.45	122.32	0.683	122.32	0.683	0.97	0.000	0.608	0.38	1.20
0.46	11.50	122.40	0.686	122.40	0.686	0.97	0.000	0.608	0.38	1.20
0.46	11.55	122.48	0.689	122.48	0.689	0.97	0.000	0.608	0.38	1.20
0.46	11.60	122.56	0.692	122.56	0.692	0.97	0.000	0.608	0.38	1.20
0.46	11.65	122.64	0.695	122.64	0.695	0.97	0.000	0.608	0.38	1.20
0.46	11.70	122.72	0.698	122.72	0.698	0.97	0.000	0.608	0.38	1.20
0.46	11.75	122.80	0.701	122.80	0.701	0.97	0.000	0.608	0.38	1.20
0.46	11.80	122.88	0.704	122.88	0.704	0.97	0.000	0.608	0.38	1.20
0.46	11.85	122.96	0.706	122.96	0.706	0.97	0.000	0.608	0.38	1.20
0.46	11.90	123.04	0.709	123.04	0.709	0.97	0.000	0.608	0.38	1.20
0.46	11.95	123.12	0.712	123.12	0.712	0.97	0.000	0.608	0.38	1.20
0.46	12.00	123.20	0.715	123.20	0.715	0.97	0.000	0.608	0.38	1.20
0.46	12.05	123.28	0.718	123.28	0.718	0.97	0.000	0.608	0.38	1.20
0.46	12.10	123.36	0.721	123.36	0.721	0.97	0.000	0.608	0.38	1.20
0.46	12.15	123.44	0.724	123.44	0.724	0.97	0.000	0.608	0.38	1.20
0.46	12.20	123.52	0.727	123.52	0.727	0.97	0.000	0.608	0.38	1.20
0.46	12.25	123.60	0.730	123.60	0.730	0.97	0.000	0.608	0.38	1.20
0.46	12.30	123.68	0.733	123.68	0.733	0.97	0.000	0.608	0.38	1.20
0.46	12.35	123.76	0.736	123.76	0.736	0.97	0.000	0.608	0.38	1.20
0.46	12.40	123.84	0.738	123.84	0.738	0.97	0.000	0.608	0.38	1.20
0.46	12.45	123.92	0.741	123.92	0.741	0.97	0.000	0.608	0.38	1.20
0.46	12.50	124.00	0.744	124.00	0.744	0.97	0.000	0.608	0.38	1.20

				Liquefy. cal						
0.46	12.55	124.08	0.747	124.08	0.747	0.97	0.000	0.608	0.38	1.20
0.46	12.60	124.16	0.750	124.16	0.750	0.97	0.000	0.608	0.38	1.20
0.46	12.65	124.24	0.753	124.24	0.753	0.97	0.000	0.608	0.38	1.20
0.46	12.70	124.32	0.756	124.32	0.756	0.97	0.000	0.608	0.38	1.20
0.46	12.75	124.40	0.759	124.40	0.759	0.97	0.000	0.608	0.38	1.20
0.46	12.80	124.48	0.762	124.48	0.762	0.97	0.000	0.608	0.38	1.20
0.46	12.85	124.56	0.765	124.56	0.765	0.97	0.000	0.608	0.38	1.20
0.46	12.90	124.64	0.768	124.64	0.768	0.97	0.000	0.608	0.38	1.20
0.46	12.95	124.72	0.771	124.72	0.771	0.97	0.000	0.608	0.38	1.20
0.46	13.00	124.80	0.774	124.80	0.774	0.97	0.000	0.608	0.38	1.20
0.46	13.05	124.88	0.777	124.88	0.777	0.97	0.000	0.608	0.38	1.20
0.46	13.10	124.96	0.780	124.96	0.780	0.97	0.000	0.608	0.38	1.20
0.46	13.15	125.04	0.783	125.04	0.783	0.97	0.000	0.608	0.38	1.20
0.46	13.20	125.12	0.786	125.12	0.786	0.97	0.000	0.608	0.38	1.20
0.46	13.25	125.20	0.788	125.20	0.788	0.97	0.000	0.608	0.38	1.20
0.46	13.30	125.28	0.791	125.28	0.791	0.97	0.000	0.608	0.38	1.20
0.46	13.35	125.36	0.794	125.36	0.794	0.97	0.000	0.608	0.38	1.20
0.46	13.40	125.44	0.797	125.44	0.797	0.97	0.000	0.608	0.38	1.20
0.46	13.45	125.52	0.800	125.52	0.800	0.97	0.000	0.608	0.38	1.20
0.46	13.50	125.60	0.803	125.60	0.803	0.97	0.000	0.608	0.38	1.20
0.46	13.55	125.68	0.806	125.68	0.806	0.97	0.000	0.608	0.38	1.20
0.46	13.60	125.76	0.809	125.76	0.809	0.97	0.000	0.608	0.38	1.20
0.46	13.65	125.84	0.812	125.84	0.812	0.97	0.000	0.608	0.38	1.20
0.46	13.70	125.92	0.815	125.92	0.815	0.97	0.000	0.608	0.38	1.20
0.46	13.75	126.00	0.818	126.00	0.818	0.97	0.000	0.608	0.38	1.20
0.46	13.80	126.08	0.821	126.08	0.821	0.97	0.000	0.608	0.38	1.20
0.46	13.85	126.16	0.824	126.16	0.824	0.97	0.000	0.608	0.38	1.20
0.46	13.90	126.24	0.827	126.24	0.827	0.97	0.000	0.608	0.38	1.20
0.46	13.95	126.32	0.830	126.32	0.830	0.97	0.000	0.608	0.38	1.20
0.46	14.00	126.40	0.833	126.40	0.833	0.97	0.000	0.608	0.38	1.20
0.46	14.05	126.48	0.836	126.48	0.836	0.97	0.000	0.608	0.38	1.20
0.46	14.10	126.56	0.839	126.56	0.839	0.97	0.000	0.608	0.38	1.20

Liquefy. cal

0.46										
0.46	14.15	126.64	0.842	126.64	0.842	0.97	0.000	0.608	0.38	1.20
0.46	14.20	126.72	0.845	126.72	0.845	0.97	0.000	0.608	0.38	1.20
0.46	14.25	126.80	0.848	126.80	0.848	0.97	0.000	0.608	0.38	1.20
0.46	14.30	126.88	0.851	126.88	0.851	0.97	0.000	0.608	0.38	1.20
0.46	14.35	126.96	0.854	126.96	0.854	0.97	0.000	0.608	0.38	1.20
0.46	14.40	127.04	0.857	127.04	0.857	0.97	0.000	0.608	0.38	1.20
0.46	14.45	127.12	0.860	127.12	0.860	0.97	0.000	0.608	0.38	1.20
0.46	14.50	127.20	0.863	127.20	0.863	0.97	0.000	0.608	0.38	1.20
0.46	14.55	127.28	0.866	127.28	0.866	0.97	0.000	0.608	0.38	1.20
0.46	14.60	127.36	0.869	127.36	0.869	0.97	0.000	0.608	0.38	1.20
0.46	14.65	127.44	0.872	127.44	0.872	0.97	0.000	0.608	0.38	1.20
0.46	14.70	127.52	0.875	127.52	0.875	0.97	0.000	0.608	0.38	1.20
0.46	14.75	127.60	0.878	127.60	0.878	0.97	0.000	0.608	0.38	1.20
0.46	14.80	127.68	0.881	127.68	0.881	0.97	0.000	0.608	0.38	1.20
0.46	14.85	127.76	0.884	127.76	0.884	0.97	0.000	0.608	0.38	1.20
0.46	14.90	127.84	0.887	127.84	0.887	0.97	0.000	0.608	0.38	1.20
0.46	14.95	127.92	0.890	127.92	0.890	0.97	0.000	0.608	0.38	1.20
0.46	15.00	128.00	0.893	128.00	0.893	0.97	0.000	0.608	0.38	1.20
0.46	15.05	128.08	0.896	128.08	0.896	0.96	0.000	0.608	0.38	1.20
0.46	15.10	128.16	0.899	128.16	0.899	0.96	0.000	0.608	0.38	1.20
0.46	15.15	128.24	0.902	128.24	0.902	0.96	0.000	0.608	0.38	1.20
0.46	15.20	128.32	0.905	128.32	0.905	0.96	0.000	0.608	0.38	1.20
0.46	15.25	128.40	0.908	128.40	0.908	0.96	0.000	0.608	0.38	1.20
0.46	15.30	128.48	0.911	128.48	0.911	0.96	0.000	0.608	0.38	1.20
0.46	15.35	128.56	0.914	128.56	0.914	0.96	0.000	0.608	0.38	1.20
0.46	15.40	128.64	0.917	128.64	0.917	0.96	0.000	0.608	0.38	1.20
0.46	15.45	128.72	0.920	128.72	0.920	0.96	0.000	0.608	0.38	1.20
0.46	15.50	128.80	0.923	128.80	0.923	0.96	0.000	0.608	0.38	1.20
0.46	15.55	128.88	0.927	128.88	0.927	0.96	0.000	0.608	0.38	1.20
0.46	15.60	128.96	0.930	128.96	0.930	0.96	0.000	0.608	0.38	1.20
0.46	15.65	129.04	0.933	129.04	0.933	0.96	0.000	0.608	0.38	1.20

				Liquefy. cal							
0.46	15.70	129.12	0.936	129.12	0.936	0.96	0.000	0.608	0.38	1.20	
0.46	15.75	129.20	0.939	129.20	0.939	0.96	0.000	0.608	0.38	1.20	
0.46	15.80	129.28	0.942	129.28	0.942	0.96	0.000	0.608	0.38	1.20	
0.46	15.85	129.36	0.945	129.36	0.945	0.96	0.000	0.608	0.38	1.20	
0.46	15.90	129.44	0.948	129.44	0.948	0.96	0.000	0.608	0.38	1.20	
0.46	15.95	129.52	0.951	129.52	0.951	0.96	0.000	0.608	0.38	1.20	
0.46	16.00	129.60	0.954	129.60	0.954	0.96	0.000	0.608	0.38	1.20	
0.46	16.05	129.68	0.957	129.68	0.957	0.96	0.000	0.608	0.38	1.20	
0.46	16.10	129.76	0.960	129.76	0.960	0.96	0.000	0.608	0.38	1.20	
0.46	16.15	129.84	0.963	129.84	0.963	0.96	0.000	0.608	0.38	1.20	
0.46	16.20	129.92	0.966	129.92	0.966	0.96	0.000	0.608	0.38	1.20	
0.46	16.25	130.00	0.969	130.00	0.969	0.96	0.000	0.608	0.38	1.20	
0.46	16.30	130.08	0.972	130.08	0.972	0.96	0.000	0.608	0.38	1.20	
0.46	16.35	130.16	0.975	130.16	0.975	0.96	0.000	0.608	0.38	1.20	
0.46	16.40	130.24	0.979	130.24	0.979	0.96	0.000	0.608	0.38	1.20	
0.46	16.45	130.32	0.982	130.32	0.982	0.96	0.000	0.608	0.38	1.20	
0.46	16.50	130.40	0.985	130.40	0.985	0.96	0.000	0.608	0.38	1.20	
0.46	16.55	130.48	0.988	130.48	0.988	0.96	0.000	0.608	0.38	1.20	
0.46	16.60	130.56	0.991	130.56	0.991	0.96	0.000	0.608	0.38	1.20	
0.46	16.65	130.64	0.994	130.64	0.994	0.96	0.000	0.608	0.38	1.20	
0.46	16.70	130.72	0.997	130.72	0.997	0.96	0.000	0.608	0.38	1.20	
0.46	16.75	130.80	1.000	130.80	1.000	0.96	0.000	0.608	0.38	1.20	
0.46	16.80	130.88	1.003	130.88	1.003	0.96	0.000	0.608	0.38	1.20	
0.46	16.85	130.96	1.006	130.96	1.006	0.96	0.000	0.608	0.38	1.20	
0.46	16.90	131.04	1.009	131.04	1.009	0.96	0.000	0.608	0.38	1.20	
0.46	16.95	131.12	1.012	131.12	1.012	0.96	0.000	0.608	0.38	1.20	
0.46	17.00	131.20	1.016	131.20	1.016	0.96	0.000	0.608	0.38	1.20	
0.46	17.05	131.28	1.019	131.28	1.019	0.96	0.000	0.608	0.38	1.20	
0.46	17.10	131.36	1.022	131.36	1.022	0.96	0.000	0.608	0.38	1.20	
0.46	17.15	131.44	1.025	131.44	1.025	0.96	0.000	0.608	0.38	1.20	
0.46	17.20	131.52	1.028	131.52	1.028	0.96	0.000	0.608	0.38	1.20	
0.46	17.25	131.60	1.031	131.60	1.031	0.96	0.000	0.608	0.38	1.20	

Liquefy. cal

0.46										
0.46	17.30	131.68	1.034	131.68	1.034	0.96	0.000	0.608	0.38	1.20
0.46	17.35	131.76	1.037	131.76	1.037	0.96	0.000	0.608	0.38	1.20
0.46	17.40	131.84	1.040	131.84	1.040	0.96	0.000	0.608	0.38	1.20
0.46	17.45	131.92	1.044	131.92	1.044	0.96	0.000	0.608	0.38	1.20
0.45	17.50	132.00	1.047	132.00	1.047	0.96	0.000	0.608	0.38	1.20
0.45	17.55	132.08	1.050	132.08	1.050	0.96	0.000	0.608	0.38	1.20
0.45	17.60	132.16	1.053	132.16	1.053	0.96	0.000	0.608	0.38	1.20
0.45	17.65	132.24	1.056	132.24	1.056	0.96	0.000	0.608	0.38	1.20
0.45	17.70	132.32	1.059	132.32	1.059	0.96	0.000	0.608	0.38	1.20
0.45	17.75	132.40	1.062	132.40	1.062	0.96	0.000	0.608	0.38	1.20
0.45	17.80	132.48	1.065	132.48	1.065	0.96	0.000	0.608	0.38	1.20
0.45	17.85	132.56	1.069	132.56	1.069	0.96	0.000	0.608	0.38	1.20
0.45	17.90	132.64	1.072	132.64	1.072	0.96	0.000	0.608	0.38	1.20
0.45	17.95	132.72	1.075	132.72	1.075	0.96	0.000	0.608	0.38	1.20
0.45	18.00	132.80	1.078	132.80	1.078	0.96	0.000	0.608	0.38	1.20
0.45	18.05	132.88	1.081	132.88	1.081	0.96	0.000	0.608	0.38	1.20
0.45	18.10	132.96	1.084	132.96	1.084	0.96	0.000	0.608	0.38	1.20
0.45	18.15	133.04	1.087	133.04	1.087	0.96	0.000	0.608	0.38	1.20
0.45	18.20	133.12	1.091	133.12	1.091	0.96	0.000	0.608	0.38	1.20
0.45	18.25	133.20	1.094	133.20	1.094	0.96	0.000	0.608	0.38	1.20
0.45	18.30	133.28	1.097	133.28	1.097	0.96	0.000	0.608	0.38	1.20
0.45	18.35	133.36	1.100	133.36	1.100	0.96	0.000	0.608	0.38	1.20
0.45	18.40	133.44	1.103	133.44	1.103	0.96	0.000	0.608	0.38	1.20
0.45	18.45	133.52	1.106	133.52	1.106	0.96	0.000	0.608	0.38	1.20
0.45	18.50	133.60	1.109	133.60	1.109	0.96	0.000	0.608	0.38	1.20
0.45	18.55	133.68	1.113	133.68	1.113	0.96	0.000	0.608	0.38	1.20
0.45	18.60	133.76	1.116	133.76	1.116	0.96	0.000	0.608	0.38	1.20
0.45	18.65	133.84	1.119	133.84	1.119	0.96	0.000	0.608	0.38	1.20
0.45	18.70	133.92	1.122	133.92	1.122	0.96	0.000	0.608	0.38	1.20
0.45	18.75	134.00	1.125	134.00	1.125	0.96	0.000	0.608	0.38	1.20
0.45	18.80	134.08	1.128	134.08	1.128	0.96	0.000	0.608	0.38	1.20
0.45										

				Liquefy. cal							
0.45	18.85	134.16	1.132	134.16	1.132	0.96	0.000	0.608	0.38	1.20	
0.45	18.90	134.24	1.135	134.24	1.135	0.96	0.000	0.608	0.38	1.20	
0.45	18.95	134.32	1.138	134.32	1.138	0.96	0.000	0.608	0.38	1.20	
0.45	19.00	134.40	1.141	134.40	1.141	0.96	0.000	0.608	0.38	1.20	
0.45	19.05	134.48	1.144	134.48	1.144	0.96	0.000	0.608	0.38	1.20	
0.45	19.10	134.56	1.147	134.56	1.147	0.96	0.000	0.608	0.38	1.20	
0.45	19.15	134.64	1.151	134.64	1.151	0.96	0.000	0.608	0.38	1.20	
0.45	19.20	134.72	1.154	134.72	1.154	0.96	0.000	0.608	0.38	1.20	
0.45	19.25	134.80	1.157	134.80	1.157	0.96	0.000	0.608	0.38	1.20	
0.45	19.30	134.88	1.160	134.88	1.160	0.96	0.000	0.608	0.38	1.20	
0.45	19.35	134.96	1.163	134.96	1.163	0.95	0.000	0.608	0.38	1.20	
0.45	19.40	135.04	1.167	135.04	1.167	0.95	0.000	0.608	0.38	1.20	
0.45	19.45	135.12	1.170	135.12	1.170	0.95	0.000	0.608	0.38	1.20	
0.45	19.50	135.20	1.173	135.20	1.173	0.95	0.000	0.608	0.38	1.20	
0.45	19.55	135.28	1.176	135.28	1.176	0.95	0.000	0.608	0.38	1.20	
0.45	19.60	135.36	1.179	135.36	1.179	0.95	0.000	0.608	0.38	1.20	
0.45	19.65	135.44	1.182	135.44	1.182	0.95	0.000	0.608	0.38	1.20	
0.45	19.70	135.52	1.186	135.52	1.186	0.95	0.000	0.608	0.38	1.20	
0.45	19.75	135.60	1.189	135.60	1.189	0.95	0.000	0.608	0.38	1.20	
0.45	19.80	135.68	1.192	135.68	1.192	0.95	0.000	0.608	0.38	1.20	
0.45	19.85	135.76	1.195	135.76	1.195	0.95	0.000	0.608	0.38	1.20	
0.45	19.90	135.84	1.199	135.84	1.199	0.95	0.000	0.608	0.38	1.20	
0.45	19.95	135.92	1.202	135.92	1.202	0.95	0.000	0.608	0.38	1.20	
0.45	20.00	136.00	1.205	136.00	1.205	0.95	0.000	0.608	0.38	1.20	
0.45	20.05	135.98	1.208	135.98	1.208	0.95	0.000	0.608	0.38	1.20	
0.45	20.10	135.95	1.211	135.95	1.211	0.95	0.000	0.608	0.38	1.20	
0.45	20.15	135.93	1.215	135.93	1.215	0.95	0.000	0.608	0.38	1.20	
0.45	20.20	135.90	1.218	135.90	1.218	0.95	0.000	0.608	0.38	1.20	
0.45	20.25	135.88	1.221	135.88	1.221	0.95	0.000	0.608	0.38	1.20	
0.45	20.30	135.85	1.224	135.85	1.224	0.95	0.000	0.608	0.38	1.20	
0.45	20.35	135.83	1.227	135.83	1.227	0.95	0.000	0.608	0.38	1.20	
0.45	20.40	135.80	1.231	135.80	1.231	0.95	0.000	0.608	0.38	1.20	

Li quefy. cal

0.45										
0.45	20.45	135.78	1.234	135.78	1.234	0.95	0.000	0.608	0.38	1.20
0.45	20.50	135.75	1.237	135.75	1.237	0.95	0.000	0.608	0.38	1.20
0.45	20.55	135.73	1.240	135.73	1.240	0.95	0.000	0.608	0.38	1.20
0.45	20.60	135.70	1.243	135.70	1.243	0.95	0.000	0.608	0.38	1.20
0.45	20.65	135.68	1.247	135.68	1.247	0.95	0.000	0.608	0.38	1.20
0.45	20.70	135.65	1.250	135.65	1.250	0.95	0.000	0.608	0.38	1.20
0.45	20.75	135.63	1.253	135.63	1.253	0.95	0.000	0.608	0.38	1.20
0.45	20.80	135.60	1.256	135.60	1.256	0.95	0.000	0.608	0.38	1.20
0.45	20.85	135.58	1.259	135.58	1.259	0.95	0.000	0.608	0.38	1.20
0.45	20.90	135.55	1.263	135.55	1.263	0.95	0.000	0.608	0.38	1.20
0.45	20.95	135.53	1.266	135.53	1.266	0.95	0.000	0.608	0.38	1.20
0.45	21.00	135.50	1.269	135.50	1.269	0.95	0.000	0.608	0.38	1.20
0.45	21.05	135.48	1.272	135.48	1.272	0.95	0.000	0.608	0.38	1.20
0.45	21.10	135.45	1.275	135.45	1.275	0.95	0.000	0.608	0.38	1.20
0.45	21.15	135.43	1.279	135.43	1.279	0.95	0.000	0.608	0.38	1.20
0.45	21.20	135.40	1.282	135.40	1.282	0.95	0.000	0.608	0.38	1.20
0.45	21.25	135.38	1.285	135.38	1.285	0.95	0.000	0.608	0.38	1.20
0.45	21.30	135.35	1.288	135.35	1.288	0.95	0.000	0.608	0.38	1.20
0.45	21.35	135.33	1.291	135.33	1.291	0.95	0.000	0.608	0.38	1.20
0.45	21.40	135.30	1.295	135.30	1.295	0.95	0.000	0.608	0.38	1.20
0.45	21.45	135.28	1.298	135.28	1.298	0.95	0.000	0.608	0.38	1.20
0.45	21.50	135.25	1.301	135.25	1.301	0.95	0.000	0.608	0.38	1.20
0.45	21.55	135.23	1.304	135.23	1.304	0.95	0.000	0.608	0.38	1.20
0.45	21.60	135.20	1.307	135.20	1.307	0.95	0.000	0.608	0.38	1.20
0.45	21.65	135.18	1.311	135.18	1.311	0.95	0.000	0.608	0.38	1.20
0.45	21.70	135.15	1.314	135.15	1.314	0.95	0.000	0.608	0.38	1.20
0.45	21.75	135.13	1.317	135.13	1.317	0.95	0.000	0.608	0.38	1.20
0.45	21.80	135.10	1.320	135.10	1.320	0.95	0.000	0.608	0.38	1.20
0.45	21.85	135.08	1.323	135.08	1.323	0.95	0.000	0.608	0.38	1.20
0.45	21.90	135.05	1.327	135.05	1.327	0.95	0.000	0.608	0.38	1.20
0.45	21.95	135.03	1.330	135.03	1.330	0.95	0.000	0.608	0.37	1.20
0.45										

				Liquefy. cal						
0.45	22.00	135.00	1.333	135.00	1.333	0.95	0.000	0.608	0.37	1.20
0.45	22.05	134.98	1.336	134.98	1.336	0.95	0.000	0.608	0.37	1.20
0.45	22.10	134.95	1.339	134.95	1.339	0.95	0.000	0.608	0.37	1.20
0.45	22.15	134.93	1.343	134.93	1.343	0.95	0.000	0.608	0.37	1.20
0.45	22.20	134.90	1.346	134.90	1.346	0.95	0.000	0.608	0.37	1.20
0.45	22.25	134.88	1.349	134.88	1.349	0.95	0.000	0.608	0.37	1.20
0.45	22.30	134.85	1.352	134.85	1.352	0.95	0.000	0.608	0.37	1.20
0.45	22.35	134.83	1.355	134.83	1.355	0.95	0.000	0.608	0.37	1.20
0.45	22.40	134.80	1.359	134.80	1.359	0.95	0.000	0.608	0.37	1.20
0.45	22.45	134.78	1.362	134.78	1.362	0.95	0.000	0.608	0.37	1.20
0.45	22.50	134.75	1.365	134.75	1.365	0.95	0.000	0.608	0.37	1.20
0.45	22.55	134.73	1.368	134.73	1.368	0.95	0.000	0.608	0.37	1.20
0.45	22.60	134.70	1.371	134.70	1.371	0.95	0.000	0.608	0.37	1.20
0.45	22.65	134.68	1.374	134.68	1.374	0.95	0.000	0.608	0.37	1.20
0.45	22.70	134.65	1.378	134.65	1.378	0.95	0.000	0.608	0.37	1.20
0.45	22.75	134.63	1.381	134.63	1.381	0.95	0.000	0.608	0.37	1.20
0.45	22.80	134.60	1.384	134.60	1.384	0.95	0.000	0.608	0.37	1.20
0.45	22.85	134.58	1.387	134.58	1.387	0.95	0.000	0.608	0.37	1.20
0.45	22.90	134.55	1.390	134.55	1.390	0.95	0.000	0.608	0.37	1.20
0.45	22.95	134.53	1.394	134.53	1.394	0.95	0.000	0.608	0.37	1.20
0.45	23.00	134.50	1.397	134.50	1.397	0.95	0.000	0.608	0.37	1.20
0.45	23.05	134.48	1.400	134.48	1.400	0.95	0.000	0.608	0.37	1.20
0.45	23.10	134.45	1.403	134.45	1.403	0.95	0.000	0.608	0.37	1.20
0.45	23.15	134.43	1.406	134.43	1.406	0.95	0.000	0.608	0.37	1.20
0.45	23.20	134.40	1.409	134.40	1.409	0.95	0.000	0.608	0.37	1.20
0.45	23.25	134.38	1.413	134.38	1.413	0.95	0.000	0.608	0.37	1.20
0.45	23.30	134.35	1.416	134.35	1.416	0.95	0.000	0.608	0.37	1.20
0.45	23.35	134.33	1.419	134.33	1.419	0.95	0.000	0.608	0.37	1.20
0.45	23.40	134.30	1.422	134.30	1.422	0.95	0.000	0.608	0.37	1.20
0.45	23.45	134.28	1.425	134.28	1.425	0.95	0.000	0.608	0.37	1.20
0.45	23.50	134.25	1.428	134.25	1.428	0.95	0.000	0.608	0.37	1.20
0.45	23.55	134.23	1.432	134.23	1.432	0.95	0.000	0.608	0.37	1.20

Li quefy. cal

0.45										
0.45	23.60	134.20	1.435	134.20	1.435	0.94	0.000	0.608	0.37	1.20
0.45	23.65	134.18	1.438	134.18	1.438	0.94	0.000	0.608	0.37	1.20
0.45	23.70	134.15	1.441	134.15	1.441	0.94	0.000	0.608	0.37	1.20
0.45	23.75	134.13	1.444	134.13	1.444	0.94	0.000	0.608	0.37	1.20
0.45	23.80	134.10	1.447	134.10	1.447	0.94	0.000	0.608	0.37	1.20
0.45	23.85	134.08	1.451	134.08	1.451	0.94	0.000	0.608	0.37	1.20
0.45	23.90	134.05	1.454	134.05	1.454	0.94	0.000	0.608	0.37	1.20
0.45	23.95	134.03	1.457	134.03	1.457	0.94	0.000	0.608	0.37	1.20
0.45	24.00	134.00	1.460	134.00	1.460	0.94	0.000	0.608	0.37	1.20
0.45	24.05	133.98	1.463	133.98	1.463	0.94	0.000	0.608	0.37	1.20
0.45	24.10	133.95	1.466	133.95	1.466	0.94	0.000	0.608	0.37	1.20
0.45	24.15	133.93	1.470	133.93	1.470	0.94	0.000	0.608	0.37	1.20
0.45	24.20	133.90	1.473	133.90	1.473	0.94	0.000	0.608	0.37	1.20
0.45	24.25	133.88	1.476	133.88	1.476	0.94	0.000	0.608	0.37	1.20
0.45	24.30	133.85	1.479	133.85	1.479	0.94	0.000	0.608	0.37	1.20
0.45	24.35	133.83	1.482	133.83	1.482	0.94	0.000	0.608	0.37	1.20
0.45	24.40	133.80	1.485	133.80	1.485	0.94	0.000	0.608	0.37	1.20
0.45	24.45	133.78	1.489	133.78	1.489	0.94	0.000	0.608	0.37	1.20
0.45	24.50	133.75	1.492	133.75	1.492	0.94	0.000	0.608	0.37	1.20
0.45	24.55	133.73	1.495	133.73	1.495	0.94	0.000	0.608	0.37	1.20
0.45	24.60	133.70	1.498	133.70	1.498	0.94	0.000	0.608	0.37	1.20
0.45	24.65	133.68	1.501	133.68	1.501	0.94	0.000	0.608	0.37	1.20
0.45	24.70	133.65	1.504	133.65	1.504	0.94	0.000	0.608	0.37	1.20
0.45	24.75	133.63	1.508	133.63	1.508	0.94	0.000	0.608	0.37	1.20
0.45	24.80	133.60	1.511	133.60	1.511	0.94	0.000	0.608	0.37	1.20
0.45	24.85	133.58	1.514	133.58	1.514	0.94	0.000	0.608	0.37	1.20
0.45	24.90	133.55	1.517	133.55	1.517	0.94	0.000	0.608	0.37	1.20
0.45	24.95	133.53	1.520	133.53	1.520	0.94	0.000	0.608	0.37	1.20
0.45	25.00	133.50	1.523	133.50	1.523	0.94	0.000	0.608	0.37	1.20
0.45	25.05	133.48	1.526	133.48	1.526	0.94	0.000	0.608	0.37	1.20
0.45	25.10	133.45	1.530	133.45	1.530	0.94	0.000	0.608	0.37	1.20

				Liquefy. cal						
0.45	25.15	133.43	1.533	133.43	1.533	0.94	0.000	0.608	0.37	1.20
0.45	25.20	133.40	1.536	133.40	1.536	0.94	0.000	0.608	0.37	1.20
0.45	25.25	133.38	1.539	133.38	1.539	0.94	0.000	0.608	0.37	1.20
0.45	25.30	133.35	1.542	133.35	1.542	0.94	0.000	0.608	0.37	1.20
0.45	25.35	133.33	1.545	133.33	1.545	0.94	0.000	0.608	0.37	1.20
0.45	25.40	133.30	1.549	133.30	1.549	0.94	0.000	0.608	0.37	1.20
0.45	25.45	133.28	1.552	133.28	1.552	0.94	0.000	0.608	0.37	1.20
0.45	25.50	133.25	1.555	133.25	1.555	0.94	0.000	0.608	0.37	1.20
0.45	25.55	133.23	1.558	133.23	1.558	0.94	0.000	0.608	0.37	1.20
0.45	25.60	133.20	1.561	133.20	1.561	0.94	0.000	0.608	0.37	1.20
0.45	25.65	133.18	1.564	133.18	1.564	0.94	0.000	0.608	0.37	1.20
0.45	25.70	133.15	1.567	133.15	1.567	0.94	0.000	0.608	0.37	1.20
0.45	25.75	133.13	1.571	133.13	1.571	0.94	0.000	0.608	0.37	1.20
0.45	25.80	133.10	1.574	133.10	1.574	0.94	0.000	0.608	0.37	1.20
0.45	25.85	133.08	1.577	133.08	1.577	0.94	0.000	0.608	0.37	1.20
0.45	25.90	133.05	1.580	133.05	1.580	0.94	0.000	0.608	0.37	1.20
0.45	25.95	133.03	1.583	133.03	1.583	0.94	0.000	0.608	0.37	1.20
0.45	26.00	133.00	1.586	133.00	1.586	0.94	0.000	0.608	0.37	1.20
0.45	26.05	132.98	1.589	132.98	1.589	0.94	0.000	0.608	0.37	1.20
0.45	26.10	132.95	1.593	132.95	1.593	0.94	0.000	0.608	0.37	1.20
0.45	26.15	132.93	1.596	132.93	1.596	0.94	0.000	0.608	0.37	1.20
0.45	26.20	132.90	1.599	132.90	1.599	0.94	0.000	0.608	0.37	1.20
0.45	26.25	132.88	1.602	132.88	1.602	0.94	0.000	0.608	0.37	1.20
0.45	26.30	132.85	1.605	132.85	1.605	0.94	0.000	0.608	0.37	1.20
0.45	26.35	132.83	1.608	132.83	1.608	0.94	0.000	0.608	0.37	1.20
0.45	26.40	132.80	1.611	132.80	1.611	0.94	0.000	0.608	0.37	1.20
0.44	26.45	132.78	1.615	132.78	1.615	0.94	0.000	0.608	0.37	1.20
0.44	26.50	132.75	1.618	132.75	1.618	0.94	0.000	0.608	0.37	1.20
0.44	26.55	132.73	1.621	132.73	1.621	0.94	0.000	0.608	0.37	1.20
0.44	26.60	132.70	1.624	132.70	1.624	0.94	0.000	0.608	0.37	1.20
0.44	26.65	132.68	1.627	132.68	1.627	0.94	0.000	0.608	0.37	1.20
0.44	26.70	132.65	1.630	132.65	1.630	0.94	0.000	0.608	0.37	1.20

Liquefy. cal

0.44										
0.44	26.75	132.63	1.633	132.63	1.633	0.94	0.000	0.608	0.37	1.20
0.44	26.80	132.60	1.637	132.60	1.637	0.94	0.000	0.608	0.37	1.20
0.44	26.85	132.58	1.640	132.58	1.640	0.94	0.000	0.608	0.37	1.20
0.44	26.90	132.55	1.643	132.55	1.643	0.94	0.000	0.608	0.37	1.20
0.44	26.95	132.53	1.646	132.53	1.646	0.94	0.000	0.608	0.37	1.20
0.44	27.00	132.50	1.649	132.50	1.649	0.94	0.000	0.608	0.37	1.20
0.44	27.05	132.48	1.652	132.48	1.652	0.94	0.000	0.608	0.37	1.20
0.44	27.10	132.45	1.655	132.45	1.655	0.94	0.000	0.608	0.37	1.20
0.44	27.15	132.43	1.658	132.43	1.658	0.94	0.000	0.608	0.37	1.20
0.44	27.20	132.40	1.662	132.40	1.662	0.94	0.000	0.608	0.37	1.20
0.44	27.25	132.38	1.665	132.38	1.665	0.94	0.000	0.608	0.37	1.20
0.44	27.30	132.35	1.668	132.35	1.668	0.94	0.000	0.608	0.37	1.20
0.44	27.35	132.33	1.671	132.33	1.671	0.94	0.000	0.608	0.37	1.20
0.44	27.40	132.30	1.674	132.30	1.674	0.94	0.000	0.608	0.37	1.20
0.44	27.45	132.28	1.677	132.28	1.677	0.94	0.000	0.608	0.37	1.20
0.44	27.50	132.25	1.680	132.25	1.680	0.94	0.000	0.608	0.37	1.20
0.44	27.55	132.23	1.683	132.23	1.683	0.94	0.000	0.608	0.37	1.20
0.44	27.60	132.20	1.687	132.20	1.687	0.94	0.000	0.608	0.37	1.20
0.44	27.65	132.18	1.690	132.18	1.690	0.94	0.000	0.608	0.37	1.20
0.44	27.70	132.15	1.693	132.15	1.693	0.94	0.000	0.608	0.37	1.20
0.44	27.75	132.13	1.696	132.13	1.696	0.94	0.000	0.608	0.37	1.20
0.44	27.80	132.10	1.699	132.10	1.699	0.94	0.000	0.608	0.37	1.20
0.44	27.85	132.08	1.702	132.08	1.702	0.94	0.000	0.608	0.37	1.20
0.44	27.90	132.05	1.705	132.05	1.705	0.93	0.000	0.608	0.37	1.20
0.44	27.95	132.03	1.708	132.03	1.708	0.93	0.000	0.608	0.37	1.20
0.44	28.00	132.00	1.712	132.00	1.712	0.93	0.000	0.608	0.37	1.20
0.44	28.05	131.98	1.715	131.98	1.715	0.93	0.000	0.608	0.37	1.20
0.44	28.10	131.95	1.718	131.95	1.718	0.93	0.000	0.608	0.37	1.20
0.44	28.15	131.93	1.721	131.93	1.721	0.93	0.000	0.608	0.37	1.20
0.44	28.20	131.90	1.724	131.90	1.724	0.93	0.000	0.608	0.37	1.20
0.44	28.25	131.88	1.727	131.88	1.727	0.93	0.000	0.608	0.37	1.20
0.44										

				Liquefy. cal							
0.44	28.30	131.85	1.730	131.85	1.730	0.93	0.000	0.608	0.37	1.20	
0.44	28.35	131.83	1.733	131.83	1.733	0.93	0.000	0.608	0.37	1.20	
0.44	28.40	131.80	1.736	131.80	1.736	0.93	0.000	0.608	0.37	1.20	
0.44	28.45	131.78	1.740	131.78	1.740	0.93	0.000	0.608	0.37	1.20	
0.44	28.50	131.75	1.743	131.75	1.743	0.93	0.000	0.608	0.37	1.20	
0.44	28.55	131.73	1.746	131.73	1.746	0.93	0.000	0.608	0.37	1.20	
0.44	28.60	131.70	1.749	131.70	1.749	0.93	0.000	0.608	0.37	1.20	
0.44	28.65	131.68	1.752	131.68	1.752	0.93	0.000	0.608	0.37	1.20	
0.44	28.70	131.65	1.755	131.65	1.755	0.93	0.000	0.608	0.37	1.20	
0.44	28.75	131.63	1.758	131.63	1.758	0.93	0.000	0.608	0.37	1.20	
0.44	28.80	131.60	1.761	131.60	1.761	0.93	0.000	0.608	0.37	1.20	
0.44	28.85	131.58	1.764	131.58	1.764	0.93	0.000	0.608	0.37	1.20	
0.44	28.90	131.55	1.768	131.55	1.768	0.93	0.000	0.608	0.37	1.20	
0.44	28.95	131.53	1.771	131.53	1.771	0.93	0.000	0.608	0.37	1.20	
0.44	29.00	131.50	1.774	131.50	1.774	0.93	0.000	0.608	0.37	1.20	
0.44	29.05	131.48	1.777	131.48	1.777	0.93	0.000	0.608	0.37	1.20	
0.44	29.10	131.45	1.780	131.45	1.780	0.93	0.000	0.608	0.37	1.20	
0.44	29.15	131.43	1.783	131.43	1.783	0.93	0.000	0.608	0.37	1.20	
0.44	29.20	131.40	1.786	131.40	1.786	0.93	0.000	0.608	0.37	1.20	
0.44	29.25	131.38	1.789	131.38	1.789	0.93	0.000	0.608	0.37	1.20	
0.44	29.30	131.35	1.792	131.35	1.792	0.93	0.000	0.608	0.37	1.20	
0.44	29.35	131.33	1.796	131.33	1.796	0.93	0.000	0.608	0.37	1.20	
0.44	29.40	131.30	1.799	131.30	1.799	0.93	0.000	0.608	0.37	1.20	
0.44	29.45	131.28	1.802	131.28	1.802	0.93	0.000	0.608	0.37	1.20	
0.44	29.50	131.25	1.805	131.25	1.805	0.93	0.000	0.608	0.37	1.20	
0.44	29.55	131.23	1.808	131.23	1.808	0.93	0.000	0.608	0.37	1.20	
0.44	29.60	131.20	1.811	131.20	1.811	0.93	0.000	0.608	0.37	1.20	
0.44	29.65	131.18	1.814	131.18	1.814	0.93	0.000	0.608	0.37	1.20	
0.44	29.70	131.15	1.817	131.15	1.817	0.93	0.000	0.608	0.37	1.20	
0.44	29.75	131.13	1.820	131.13	1.820	0.93	0.000	0.608	0.37	1.20	
0.44	29.80	131.10	1.823	131.10	1.823	0.93	0.000	0.608	0.37	1.20	
0.44	29.85	131.08	1.827	131.08	1.827	0.93	0.000	0.608	0.37	1.20	

Liquefy. cal

0.44	29.90	131.05	1.830	131.05	1.830	0.93	0.000	0.608	0.37	1.20
0.44	29.95	131.03	1.833	131.03	1.833	0.93	0.000	0.608	0.37	1.20
0.44	30.00	131.00	1.836	131.00	1.836	0.93	0.000	0.608	0.37	1.20

CSR is based on water table at 30.00 during earthquake

(N1)60f	CRR Depth CRR7.5 ft	Calcu lation SPT	from Ceb S	SPT or Cr	BPT data: sigma' atm	Cn	(N1)60	Fi nes %	d(N1)60
125.97	0.00	45.00	2.07	0.75	0.000	1.70	118.77	36.00	7.20
	0.50								
	0.05	44.75	2.07	0.75	0.003	1.70	118.11	36.00	7.20
125.31	0.50	44.50	2.07	0.75	0.006	1.70	117.45	36.00	7.20
	0.10								
124.65	0.50	44.25	2.07	0.75	0.009	1.70	116.79	36.00	7.20
	0.15								
123.99	0.50	44.00	2.07	0.75	0.012	1.70	116.13	36.00	7.20
	0.20								
123.33	0.50	43.75	2.07	0.75	0.015	1.70	115.47	36.00	7.20
	0.25								
122.67	0.50	43.50	2.07	0.75	0.018	1.70	114.81	36.00	7.20
	0.30								
122.01	0.50	43.25	2.07	0.75	0.022	1.70	114.15	36.00	7.20
	0.35								
121.35	0.50	43.00	2.07	0.75	0.025	1.70	113.49	36.00	7.20
	0.40								
120.69	0.50	42.75	2.07	0.75	0.028	1.70	112.83	36.00	7.20
	0.45								
120.03	0.50	42.50	2.07	0.75	0.031	1.70	112.17	36.00	7.20
	0.50								
119.37	0.50	42.25	2.07	0.75	0.034	1.70	111.51	36.00	7.20
	0.55								
118.71	0.50	42.00	2.07	0.75	0.037	1.70	110.85	36.00	7.20
	0.60								
118.05	0.50	41.75	2.07	0.75	0.040	1.70	110.19	36.00	7.20
	0.65								
117.39	0.50	41.50	2.07	0.75	0.043	1.70	109.53	36.00	7.20
	0.70								
116.73	0.50	41.25	2.07	0.75	0.046	1.70	108.87	36.00	7.20
	0.75								
116.07	0.50	41.00	2.07	0.75	0.049	1.70	108.21	36.00	7.20
	0.80								
115.41	0.50	40.75	2.07	0.75	0.052	1.70	107.55	36.00	7.20
	0.85								
114.75	0.50	40.50	2.07	0.75	0.055	1.70	106.89	36.00	7.20
	0.90								
114.09	0.50	40.25	2.07	0.75	0.058	1.70	106.23	36.00	7.20
	0.95								
113.43	0.50	40.00	2.07	0.75	0.061	1.70	105.57	36.00	7.20
	1.00								
112.77	0.50	39.75	2.07	0.75	0.064	1.70	104.91	36.00	7.20
	1.05								
112.11	0.50								

Li quefy. cal

111.45	1.10 0.50	39.50	2.07	0.75	0.068	1.70	104.25	36.00	7.20
110.79	1.15 0.50	39.25	2.07	0.75	0.071	1.70	103.59	36.00	7.20
110.13	1.20 0.50	39.00	2.07	0.75	0.074	1.70	102.93	36.00	7.20
109.47	1.25 0.50	38.75	2.07	0.75	0.077	1.70	102.27	36.00	7.20
108.81	1.30 0.50	38.50	2.07	0.75	0.080	1.70	101.61	36.00	7.20
108.15	1.35 0.50	38.25	2.07	0.75	0.083	1.70	100.95	36.00	7.20
107.49	1.40 0.50	38.00	2.07	0.75	0.086	1.70	100.29	36.00	7.20
106.83	1.45 0.50	37.75	2.07	0.75	0.089	1.70	99.63	36.00	7.20
106.17	1.50 0.50	37.50	2.07	0.75	0.092	1.70	98.97	36.00	7.20
105.51	1.55 0.50	37.25	2.07	0.75	0.095	1.70	98.31	36.00	7.20
104.85	1.60 0.50	37.00	2.07	0.75	0.098	1.70	97.65	36.00	7.20
104.19	1.65 0.50	36.75	2.07	0.75	0.101	1.70	96.99	36.00	7.20
103.53	1.70 0.50	36.50	2.07	0.75	0.104	1.70	96.33	36.00	7.20
102.87	1.75 0.50	36.25	2.07	0.75	0.107	1.70	95.67	36.00	7.20
102.21	1.80 0.50	36.00	2.07	0.75	0.110	1.70	95.01	36.00	7.20
101.55	1.85 0.50	35.75	2.07	0.75	0.113	1.70	94.35	36.00	7.20
100.89	1.90 0.50	35.50	2.07	0.75	0.117	1.70	93.69	36.00	7.20
100.23	1.95 0.50	35.25	2.07	0.75	0.120	1.70	93.03	36.00	7.20
99.57	2.00 0.50	35.00	2.07	0.75	0.123	1.70	92.37	36.00	7.20
98.91	2.05 0.50	34.75	2.07	0.75	0.126	1.70	91.71	36.00	7.20
98.25	2.10 0.50	34.50	2.07	0.75	0.129	1.70	91.05	36.00	7.20
97.59	2.15 0.50	34.25	2.07	0.75	0.132	1.70	90.39	36.00	7.20
96.93	2.20 0.50	34.00	2.07	0.75	0.135	1.70	89.73	36.00	7.20
96.27	2.25 0.50	33.75	2.07	0.75	0.138	1.70	89.07	36.00	7.20
95.61	2.30 0.50	33.50	2.07	0.75	0.141	1.70	88.41	36.00	7.20
94.96	2.35 0.50	33.25	2.07	0.75	0.144	1.70	87.76	36.00	7.20
94.30	2.40 0.50	33.00	2.07	0.75	0.147	1.70	87.10	36.00	7.20
93.64	2.45 0.50	32.75	2.07	0.75	0.150	1.70	86.44	36.00	7.20
92.98	2.50 0.50	32.50	2.07	0.75	0.153	1.70	85.78	36.00	7.20
92.32	2.55 0.50	32.25	2.07	0.75	0.156	1.70	85.12	36.00	7.20
91.66	2.60 0.50	32.00	2.07	0.75	0.159	1.70	84.46	36.00	7.20
	2.65	31.75	2.07	0.75	0.162	1.70	83.80	36.00	7.20

Li quefy. cal

91.00	0.50									
	2.70	31.50	2.07	0.75	0.166	1.70	83.14	36.00	7.20	
90.34	0.50									
	2.75	31.25	2.07	0.75	0.169	1.70	82.48	36.00	7.20	
89.68	0.50									
	2.80	31.00	2.07	0.75	0.172	1.70	81.82	36.00	7.20	
89.02	0.50									
	2.85	30.75	2.07	0.75	0.175	1.70	81.16	36.00	7.20	
88.36	0.50									
	2.90	30.50	2.07	0.75	0.178	1.70	80.50	36.00	7.20	
87.70	0.50									
	2.95	30.25	2.07	0.75	0.181	1.70	79.84	36.00	7.20	
87.04	0.50									
	3.00	30.00	2.07	0.75	0.184	1.70	79.18	36.00	7.20	
86.38	0.50									
	3.05	29.75	2.07	0.75	0.187	1.70	78.52	36.00	7.20	
85.72	0.50									
	3.10	29.50	2.07	0.75	0.190	1.70	77.86	36.00	7.20	
85.06	0.50									
	3.15	29.25	2.07	0.75	0.193	1.70	77.20	36.00	7.20	
84.40	0.50									
	3.20	29.00	2.07	0.75	0.196	1.70	76.54	36.00	7.20	
83.74	0.50									
	3.25	28.75	2.07	0.75	0.199	1.70	75.88	36.00	7.20	
83.08	0.50									
	3.30	28.50	2.07	0.75	0.202	1.70	75.22	36.00	7.20	
82.42	0.50									
	3.35	28.25	2.07	0.75	0.205	1.70	74.56	36.00	7.20	
81.76	0.50									
	3.40	28.00	2.07	0.75	0.208	1.70	73.90	36.00	7.20	
81.10	0.50									
	3.45	27.75	2.07	0.75	0.211	1.70	73.24	36.00	7.20	
80.44	0.50									
	3.50	27.50	2.07	0.75	0.214	1.70	72.58	36.00	7.20	
79.78	0.50									
	3.55	27.25	2.07	0.75	0.218	1.70	71.92	36.00	7.20	
79.12	0.50									
	3.60	27.00	2.07	0.75	0.221	1.70	71.26	36.00	7.20	
78.46	0.50									
	3.65	26.75	2.07	0.75	0.224	1.70	70.60	36.00	7.20	
77.80	0.50									
	3.70	26.50	2.07	0.75	0.227	1.70	69.94	36.00	7.20	
77.14	0.50									
	3.75	26.25	2.07	0.75	0.230	1.70	69.28	36.00	7.20	
76.48	0.50									
	3.80	26.00	2.07	0.75	0.233	1.70	68.62	36.00	7.20	
75.82	0.50									
	3.85	25.75	2.07	0.75	0.236	1.70	67.96	36.00	7.20	
75.16	0.50									
	3.90	25.50	2.07	0.75	0.239	1.70	67.30	36.00	7.20	
74.50	0.50									
	3.95	25.25	2.07	0.75	0.242	1.70	66.64	36.00	7.20	
73.84	0.50									
	4.00	25.00	2.07	0.75	0.245	1.70	65.98	36.00	7.20	
73.18	0.50									
	4.05	24.75	2.07	0.75	0.248	1.70	65.32	36.00	7.20	
72.52	0.50									
	4.10	24.50	2.07	0.75	0.251	1.70	64.66	36.00	7.20	
71.86	0.50									
	4.15	24.25	2.07	0.75	0.254	1.70	64.00	36.00	7.20	
71.20	0.50									
	4.20	24.00	2.07	0.75	0.257	1.70	63.34	36.00	7.20	
70.54	0.50									

Li quefy. cal

69.88	4.25 0.50	23.75	2.07	0.75	0.260	1.70	62.68	36.00	7.20
69.22	4.30 0.50	23.50	2.07	0.75	0.263	1.70	62.02	36.00	7.20
68.56	4.35 0.50	23.25	2.07	0.75	0.266	1.70	61.36	36.00	7.20
67.90	4.40 0.50	23.00	2.07	0.75	0.269	1.70	60.70	36.00	7.20
67.24	4.45 0.50	22.75	2.07	0.75	0.272	1.70	60.04	36.00	7.20
66.58	4.50 0.50	22.50	2.07	0.75	0.276	1.70	59.38	36.00	7.20
65.92	4.55 0.50	22.25	2.07	0.75	0.279	1.70	58.72	36.00	7.20
65.26	4.60 0.50	22.00	2.07	0.75	0.282	1.70	58.06	36.00	7.20
64.60	4.65 0.50	21.75	2.07	0.75	0.285	1.70	57.40	36.00	7.20
63.94	4.70 0.50	21.50	2.07	0.75	0.288	1.70	56.74	36.00	7.20
63.28	4.75 0.50	21.25	2.07	0.75	0.291	1.70	56.08	36.00	7.20
62.62	4.80 0.50	21.00	2.07	0.75	0.294	1.70	55.42	36.00	7.20
61.96	4.85 0.50	20.75	2.07	0.75	0.297	1.70	54.76	36.00	7.20
61.30	4.90 0.50	20.50	2.07	0.75	0.300	1.70	54.10	36.00	7.20
60.64	4.95 0.50	20.25	2.07	0.75	0.303	1.70	53.44	36.00	7.20
59.99	5.00 0.50	20.00	2.07	0.75	0.306	1.70	52.79	36.00	7.20
60.54	5.05 0.50	20.21	2.07	0.75	0.309	1.70	53.34	35.88	7.20
61.09	5.10 0.50	20.42	2.07	0.75	0.312	1.70	53.89	35.76	7.20
61.65	5.15 0.50	20.63	2.07	0.75	0.315	1.70	54.45	35.64	7.20
62.20	5.20 0.50	20.84	2.07	0.75	0.318	1.70	55.00	35.52	7.20
62.76	5.25 0.50	21.05	2.07	0.75	0.321	1.70	55.56	35.40	7.20
63.31	5.30 0.50	21.26	2.07	0.75	0.324	1.70	56.11	35.28	7.20
63.86	5.35 0.50	21.47	2.07	0.75	0.327	1.70	56.66	35.16	7.20
64.42	5.40 0.50	21.68	2.07	0.75	0.330	1.70	57.22	35.04	7.20
64.95	5.45 0.50	21.89	2.07	0.75	0.333	1.70	57.77	34.92	7.18
65.48	5.50 0.50	22.10	2.07	0.75	0.336	1.70	58.33	34.80	7.15
66.00	5.55 0.50	22.31	2.07	0.75	0.339	1.70	58.88	34.68	7.12
66.53	5.60 0.50	22.52	2.07	0.75	0.342	1.70	59.44	34.56	7.09
67.06	5.65 0.50	22.73	2.07	0.75	0.345	1.70	59.99	34.44	7.07
67.37	5.70 0.50	22.94	2.07	0.75	0.348	1.69	60.33	34.32	7.04
67.63	5.75 0.50	23.15	2.07	0.75	0.351	1.69	60.62	34.20	7.01
	5.80	23.36	2.07	0.75	0.355	1.68	60.91	34.08	6.98

Li quefy. cal

67. 89	0. 50									
	5. 85	23. 57	2. 07	0. 75	0. 358	1. 67	61. 20	33. 96	6. 95	
68. 15	0. 50									
	5. 90	23. 78	2. 07	0. 75	0. 361	1. 67	61. 49	33. 84	6. 92	
68. 41	0. 50									
	5. 95	23. 99	2. 07	0. 75	0. 364	1. 66	61. 77	33. 72	6. 89	
68. 66	0. 50									
	6. 00	24. 20	2. 07	0. 75	0. 367	1. 65	62. 06	33. 60	6. 86	
68. 92	0. 50									
	6. 05	24. 41	2. 07	0. 75	0. 370	1. 64	62. 34	33. 48	6. 84	
69. 17	0. 50									
	6. 10	24. 62	2. 07	0. 75	0. 373	1. 64	62. 62	33. 36	6. 81	
69. 43	0. 50									
	6. 15	24. 83	2. 07	0. 75	0. 376	1. 63	62. 90	33. 24	6. 78	
69. 68	0. 50									
	6. 20	25. 04	2. 07	0. 75	0. 379	1. 63	63. 18	33. 12	6. 75	
69. 93	0. 50									
	6. 25	25. 25	2. 07	0. 75	0. 382	1. 62	63. 46	33. 00	6. 72	
70. 18	0. 50									
	6. 30	25. 46	2. 07	0. 75	0. 385	1. 61	63. 74	32. 88	6. 69	
70. 43	0. 50									
	6. 35	25. 67	2. 07	0. 75	0. 388	1. 61	64. 02	32. 76	6. 66	
70. 68	0. 50									
	6. 40	25. 88	2. 07	0. 75	0. 391	1. 60	64. 29	32. 64	6. 63	
70. 93	0. 50									
	6. 45	26. 09	2. 07	0. 75	0. 394	1. 59	64. 57	32. 52	6. 60	
71. 17	0. 50									
	6. 50	26. 30	2. 07	0. 75	0. 397	1. 59	64. 84	32. 40	6. 58	
71. 42	0. 50									
	6. 55	26. 51	2. 07	0. 75	0. 399	1. 58	65. 12	32. 28	6. 55	
71. 66	0. 50									
	6. 60	26. 72	2. 07	0. 75	0. 402	1. 58	65. 39	32. 16	6. 52	
71. 91	0. 50									
	6. 65	26. 93	2. 07	0. 75	0. 405	1. 57	65. 66	32. 04	6. 49	
72. 15	0. 50									
	6. 70	27. 14	2. 07	0. 75	0. 408	1. 56	65. 93	31. 92	6. 46	
72. 39	0. 50									
	6. 75	27. 35	2. 07	0. 75	0. 411	1. 56	66. 20	31. 80	6. 43	
72. 63	0. 50									
	6. 80	27. 56	2. 07	0. 75	0. 414	1. 55	66. 47	31. 68	6. 40	
72. 87	0. 50									
	6. 85	27. 77	2. 07	0. 75	0. 417	1. 55	66. 74	31. 56	6. 37	
73. 11	0. 50									
	6. 90	27. 98	2. 07	0. 75	0. 420	1. 54	67. 00	31. 44	6. 35	
73. 35	0. 50									
	6. 95	28. 19	2. 07	0. 75	0. 423	1. 54	67. 27	31. 32	6. 32	
73. 58	0. 50									
	7. 00	28. 40	2. 07	0. 75	0. 426	1. 53	67. 53	31. 20	6. 29	
73. 82	0. 50									
	7. 05	28. 61	2. 07	0. 75	0. 429	1. 53	67. 80	31. 08	6. 26	
74. 06	0. 50									
	7. 10	28. 82	2. 07	0. 75	0. 432	1. 52	68. 06	30. 96	6. 23	
74. 29	0. 50									
	7. 15	29. 03	2. 07	0. 75	0. 435	1. 52	68. 32	30. 84	6. 20	
74. 52	0. 50									
	7. 20	29. 24	2. 07	0. 75	0. 438	1. 51	68. 58	30. 72	6. 17	
74. 76	0. 50									
	7. 25	29. 45	2. 07	0. 75	0. 441	1. 51	68. 85	30. 60	6. 14	
74. 99	0. 50									
	7. 30	29. 66	2. 07	0. 75	0. 444	1. 50	69. 11	30. 48	6. 12	
75. 22	0. 50									
	7. 35	29. 87	2. 07	0. 75	0. 447	1. 50	69. 36	30. 36	6. 09	
75. 45	0. 50									

Liquefy. cal

75.68	7.40 0.50	30.08	2.07	0.75	0.450	1.49	69.62	30.24	6.06
75.91	7.45 0.50	30.29	2.07	0.75	0.453	1.49	69.88	30.12	6.03
76.14	7.50 0.50	30.50	2.07	0.75	0.456	1.48	70.14	30.00	6.00
76.37	7.55 0.50	30.71	2.07	0.75	0.459	1.48	70.39	29.88	5.97
76.59	7.60 0.50	30.92	2.07	0.75	0.462	1.47	70.65	29.76	5.94
76.82	7.65 0.50	31.13	2.07	0.75	0.465	1.47	70.90	29.64	5.91
77.04	7.70 0.50	31.34	2.07	0.75	0.468	1.46	71.16	29.52	5.88
77.27	7.75 0.50	31.55	2.07	0.75	0.470	1.46	71.41	29.40	5.86
77.49	7.80 0.50	31.76	2.07	0.75	0.473	1.45	71.66	29.28	5.83
77.71	7.85 0.50	31.97	2.07	0.75	0.476	1.45	71.92	29.16	5.80
77.94	7.90 0.50	32.18	2.07	0.75	0.479	1.44	72.17	29.04	5.77
78.16	7.95 0.50	32.39	2.07	0.75	0.482	1.44	72.42	28.92	5.74
78.38	8.00 0.50	32.60	2.07	0.75	0.485	1.44	72.67	28.80	5.71
78.60	8.05 0.50	32.81	2.07	0.75	0.488	1.43	72.92	28.68	5.68
78.82	8.10 0.50	33.02	2.07	0.75	0.491	1.43	73.16	28.56	5.65
79.04	8.15 0.50	33.23	2.07	0.75	0.494	1.42	73.41	28.44	5.63
79.25	8.20 0.50	33.44	2.07	0.75	0.497	1.42	73.66	28.32	5.60
89.33	8.25 0.50	33.65	2.07	0.85	0.500	1.41	83.76	28.20	5.57
89.58	8.30 0.50	33.86	2.07	0.85	0.503	1.41	84.04	28.08	5.54
89.82	8.35 0.50	34.07	2.07	0.85	0.506	1.41	84.31	27.96	5.51
90.07	8.40 0.50	34.28	2.07	0.85	0.508	1.40	84.59	27.84	5.48
90.32	8.45 0.50	34.49	2.07	0.85	0.511	1.40	84.87	27.72	5.45
90.57	8.50 0.50	34.70	2.07	0.85	0.514	1.39	85.14	27.60	5.42
90.81	8.55 0.50	34.91	2.07	0.85	0.517	1.39	85.42	27.48	5.40
91.06	8.60 0.50	35.12	2.07	0.85	0.520	1.39	85.69	27.36	5.37
91.30	8.65 0.50	35.33	2.07	0.85	0.523	1.38	85.97	27.24	5.34
91.55	8.70 0.50	35.54	2.07	0.85	0.526	1.38	86.24	27.12	5.31
91.79	8.75 0.50	35.75	2.07	0.85	0.529	1.38	86.51	27.00	5.28
92.03	8.80 0.50	35.96	2.07	0.85	0.532	1.37	86.78	26.88	5.25
92.27	8.85 0.50	36.17	2.07	0.85	0.534	1.37	87.05	26.76	5.22
92.52	8.90 0.50	36.38	2.07	0.85	0.537	1.36	87.32	26.64	5.19
	8.95	36.59	2.07	0.85	0.540	1.36	87.59	26.52	5.16

Li quefy. cal

92.76	0.50									
	9.00	36.80	2.07	0.85	0.543	1.36	87.86	26.40	5.14	
93.00	0.50									
	9.05	37.01	2.07	0.85	0.546	1.35	88.13	26.28	5.11	
93.24	0.50									
	9.10	37.22	2.07	0.85	0.549	1.35	88.40	26.16	5.08	
93.47	0.50									
	9.15	37.43	2.07	0.85	0.552	1.35	88.66	26.04	5.05	
93.71	0.50									
	9.20	37.64	2.07	0.85	0.555	1.34	88.93	25.92	5.02	
93.95	0.50									
	9.25	37.85	2.07	0.85	0.557	1.34	89.20	25.80	4.99	
94.19	0.50									
	9.30	38.06	2.07	0.85	0.560	1.34	89.46	25.68	4.96	
94.42	0.50									
	9.35	38.27	2.07	0.85	0.563	1.33	89.73	25.56	4.93	
94.66	0.50									
	9.40	38.48	2.07	0.85	0.566	1.33	89.99	25.44	4.91	
94.89	0.50									
	9.45	38.69	2.07	0.85	0.569	1.33	90.25	25.32	4.88	
95.13	0.50									
	9.50	38.90	2.07	0.85	0.572	1.32	90.52	25.20	4.85	
95.36	0.50									
	9.55	39.11	2.07	0.85	0.575	1.32	90.78	25.08	4.82	
95.60	0.50									
	9.60	39.32	2.07	0.85	0.578	1.32	91.04	24.96	4.79	
95.83	0.50									
	9.65	39.53	2.07	0.85	0.580	1.31	91.30	24.84	4.76	
96.06	0.50									
	9.70	39.74	2.07	0.85	0.583	1.31	91.56	24.72	4.73	
96.29	0.50									
	9.75	39.95	2.07	0.85	0.586	1.31	91.82	24.60	4.70	
96.52	0.50									
	9.80	40.16	2.07	0.85	0.589	1.30	92.08	24.48	4.68	
96.75	0.50									
	9.85	40.37	2.07	0.85	0.592	1.30	92.34	24.36	4.65	
96.98	0.50									
	9.90	40.58	2.07	0.85	0.595	1.30	92.60	24.24	4.62	
97.21	0.50									
	9.95	40.79	2.07	0.85	0.597	1.29	92.85	24.12	4.59	
97.44	0.50									
	10.00	41.00	2.07	0.85	0.600	1.29	93.11	24.00	4.56	
97.67	0.50									
	10.05	41.04	2.07	0.85	0.603	1.29	92.97	24.16	4.60	
97.57	0.50									
	10.10	41.07	2.07	0.85	0.606	1.28	92.83	24.32	4.64	
97.47	0.50									
	10.15	41.11	2.07	0.85	0.609	1.28	92.70	24.48	4.68	
97.37	0.50									
	10.20	41.14	2.07	0.85	0.612	1.28	92.56	24.64	4.71	
97.27	0.50									
	10.25	41.18	2.07	0.85	0.614	1.28	92.42	24.80	4.75	
97.17	0.50									
	10.30	41.21	2.07	0.85	0.617	1.27	92.29	24.96	4.79	
97.08	0.50									
	10.35	41.25	2.07	0.85	0.620	1.27	92.15	25.12	4.83	
96.98	0.50									
	10.40	41.28	2.07	0.85	0.623	1.27	92.02	25.28	4.87	
96.89	0.50									
	10.45	41.32	2.07	0.85	0.626	1.26	91.89	25.44	4.91	
96.79	0.50									
	10.50	41.35	2.07	0.85	0.629	1.26	91.76	25.60	4.94	
96.70	0.50									

Li quefy. cal

96. 61	10. 55 0. 50	41. 39	2. 07	0. 85	0. 632	1. 26	91. 63	25. 76	4. 98
96. 52	10. 60 0. 50	41. 42	2. 07	0. 85	0. 634	1. 26	91. 50	25. 92	5. 02
96. 43	10. 65 0. 50	41. 46	2. 07	0. 85	0. 637	1. 25	91. 37	26. 08	5. 06
96. 34	10. 70 0. 50	41. 49	2. 07	0. 85	0. 640	1. 25	91. 24	26. 24	5. 10
96. 25	10. 75 0. 50	41. 53	2. 07	0. 85	0. 643	1. 25	91. 12	26. 40	5. 14
96. 17	10. 80 0. 50	41. 56	2. 07	0. 85	0. 646	1. 24	90. 99	26. 56	5. 17
96. 08	10. 85 0. 50	41. 60	2. 07	0. 85	0. 649	1. 24	90. 87	26. 72	5. 21
95. 99	10. 90 0. 50	41. 63	2. 07	0. 85	0. 652	1. 24	90. 74	26. 88	5. 25
95. 91	10. 95 0. 50	41. 67	2. 07	0. 85	0. 654	1. 24	90. 62	27. 04	5. 29
95. 83	11. 00 0. 50	41. 70	2. 07	0. 85	0. 657	1. 23	90. 50	27. 20	5. 33
95. 74	11. 05 0. 50	41. 74	2. 07	0. 85	0. 660	1. 23	90. 38	27. 36	5. 37
95. 66	11. 10 0. 50	41. 77	2. 07	0. 85	0. 663	1. 23	90. 26	27. 52	5. 40
95. 58	11. 15 0. 50	41. 81	2. 07	0. 85	0. 666	1. 23	90. 14	27. 68	5. 44
95. 50	11. 20 0. 50	41. 84	2. 07	0. 85	0. 669	1. 22	90. 02	27. 84	5. 48
95. 42	11. 25 0. 50	41. 88	2. 07	0. 85	0. 672	1. 22	89. 90	28. 00	5. 52
95. 34	11. 30 0. 50	41. 91	2. 07	0. 85	0. 675	1. 22	89. 78	28. 16	5. 56
95. 26	11. 35 0. 50	41. 95	2. 07	0. 85	0. 677	1. 21	89. 66	28. 32	5. 60
95. 18	11. 40 0. 50	41. 98	2. 07	0. 85	0. 680	1. 21	89. 55	28. 48	5. 64
95. 11	11. 45 0. 50	42. 02	2. 07	0. 85	0. 683	1. 21	89. 43	28. 64	5. 67
95. 03	11. 50 0. 50	42. 05	2. 07	0. 85	0. 686	1. 21	89. 32	28. 80	5. 71
94. 96	11. 55 0. 50	42. 09	2. 07	0. 85	0. 689	1. 20	89. 21	28. 96	5. 75
94. 88	11. 60 0. 50	42. 12	2. 07	0. 85	0. 692	1. 20	89. 09	29. 12	5. 79
94. 81	11. 65 0. 50	42. 16	2. 07	0. 85	0. 695	1. 20	88. 98	29. 28	5. 83
94. 74	11. 70 0. 50	42. 19	2. 07	0. 85	0. 698	1. 20	88. 87	29. 44	5. 87
94. 66	11. 75 0. 50	42. 23	2. 07	0. 85	0. 701	1. 19	88. 76	29. 60	5. 90
94. 59	11. 80 0. 50	42. 26	2. 07	0. 85	0. 704	1. 19	88. 65	29. 76	5. 94
94. 52	11. 85 0. 50	42. 30	2. 07	0. 85	0. 706	1. 19	88. 54	29. 92	5. 98
94. 45	11. 90 0. 50	42. 33	2. 07	0. 85	0. 709	1. 19	88. 43	30. 08	6. 02
94. 38	11. 95 0. 50	42. 37	2. 07	0. 85	0. 712	1. 18	88. 33	30. 24	6. 06
94. 31	12. 00 0. 50	42. 40	2. 07	0. 85	0. 715	1. 18	88. 22	30. 40	6. 10
94. 25	12. 05 0. 50	42. 44	2. 07	0. 85	0. 718	1. 18	88. 11	30. 56	6. 13
	12. 10	42. 47	2. 07	0. 85	0. 721	1. 18	88. 01	30. 72	6. 17

Li quefy. cal

94. 18	0. 50									
	12. 15	42. 51	2. 07	0. 85	0. 724	1. 18	87. 90	30. 88	6. 21	
94. 11	0. 50									
	12. 20	42. 54	2. 07	0. 85	0. 727	1. 17	87. 80	31. 04	6. 25	
94. 05	0. 50									
	12. 25	42. 58	2. 07	0. 85	0. 730	1. 17	87. 69	31. 20	6. 29	
93. 98	0. 50									
	12. 30	42. 61	2. 07	0. 85	0. 733	1. 17	87. 59	31. 36	6. 33	
93. 92	0. 50									
	12. 35	42. 65	2. 07	0. 85	0. 736	1. 17	87. 49	31. 52	6. 36	
93. 85	0. 50									
	12. 40	42. 68	2. 07	0. 85	0. 738	1. 16	87. 39	31. 68	6. 40	
93. 79	0. 50									
	12. 45	42. 72	2. 07	0. 85	0. 741	1. 16	87. 29	31. 84	6. 44	
93. 73	0. 50									
	12. 50	42. 75	2. 07	0. 85	0. 744	1. 16	87. 18	32. 00	6. 48	
93. 66	0. 50									
	12. 55	42. 79	2. 07	0. 85	0. 747	1. 16	87. 08	32. 16	6. 52	
93. 60	0. 50									
	12. 60	42. 82	2. 07	0. 85	0. 750	1. 15	86. 99	32. 32	6. 56	
93. 54	0. 50									
	12. 65	42. 86	2. 07	0. 85	0. 753	1. 15	86. 89	32. 48	6. 60	
93. 48	0. 50									
	12. 70	42. 89	2. 07	0. 85	0. 756	1. 15	86. 79	32. 64	6. 63	
93. 42	0. 50									
	12. 75	42. 93	2. 07	0. 85	0. 759	1. 15	86. 69	32. 80	6. 67	
93. 36	0. 50									
	12. 80	42. 96	2. 07	0. 85	0. 762	1. 15	86. 59	32. 96	6. 71	
93. 31	0. 50									
	12. 85	43. 00	2. 07	0. 85	0. 765	1. 14	86. 50	33. 12	6. 75	
93. 25	0. 50									
	12. 90	43. 03	2. 07	0. 85	0. 768	1. 14	86. 40	33. 28	6. 79	
93. 19	0. 50									
	12. 95	43. 07	2. 07	0. 85	0. 771	1. 14	86. 31	33. 44	6. 83	
93. 13	0. 50									
	13. 00	43. 10	2. 07	0. 85	0. 774	1. 14	86. 21	33. 60	6. 86	
93. 08	0. 50									
	13. 05	43. 14	2. 07	0. 85	0. 777	1. 13	86. 12	33. 76	6. 90	
93. 02	0. 50									
	13. 10	43. 17	2. 07	0. 85	0. 780	1. 13	86. 03	33. 92	6. 94	
92. 97	0. 50									
	13. 15	43. 21	2. 07	0. 85	0. 783	1. 13	85. 93	34. 08	6. 98	
92. 91	0. 50									
	13. 20	43. 24	2. 07	0. 85	0. 786	1. 13	85. 84	34. 24	7. 02	
92. 86	0. 50									
	13. 25	43. 28	2. 07	0. 85	0. 788	1. 13	85. 75	34. 40	7. 06	
92. 81	0. 50									
	13. 30	43. 31	2. 07	0. 85	0. 791	1. 12	85. 66	34. 56	7. 09	
92. 75	0. 50									
	13. 35	43. 35	2. 07	0. 85	0. 794	1. 12	85. 57	34. 72	7. 13	
92. 70	0. 50									
	13. 40	43. 38	2. 07	0. 85	0. 797	1. 12	85. 48	34. 88	7. 17	
92. 65	0. 50									
	13. 45	43. 42	2. 07	0. 85	0. 800	1. 12	85. 39	35. 04	7. 20	
92. 59	0. 50									
	13. 50	43. 45	2. 07	0. 85	0. 803	1. 12	85. 30	35. 20	7. 20	
92. 50	0. 50									
	13. 55	43. 49	2. 07	0. 85	0. 806	1. 11	85. 21	35. 36	7. 20	
92. 41	0. 50									
	13. 60	43. 52	2. 07	0. 85	0. 809	1. 11	85. 12	35. 52	7. 20	
92. 32	0. 50									
	13. 65	43. 56	2. 07	0. 85	0. 812	1. 11	85. 03	35. 68	7. 20	
92. 23	0. 50									

					Li quefy. cal					
92.15	13.70 0.50	43.59	2.07	0.85	0.815	1.11	84.95	35.84	7.20	
92.06	13.75 0.50	43.63	2.07	0.85	0.818	1.11	84.86	36.00	7.20	
91.97	13.80 0.50	43.66	2.07	0.85	0.821	1.10	84.77	36.16	7.20	
91.89	13.85 0.50	43.70	2.07	0.85	0.824	1.10	84.69	36.32	7.20	
91.80	13.90 0.50	43.73	2.07	0.85	0.827	1.10	84.60	36.48	7.20	
91.72	13.95 0.50	43.77	2.07	0.85	0.830	1.10	84.52	36.64	7.20	
91.64	14.00 0.50	43.80	2.07	0.85	0.833	1.10	84.44	36.80	7.20	
91.55	14.05 0.50	43.84	2.07	0.85	0.836	1.09	84.35	36.96	7.20	
91.47	14.10 0.50	43.87	2.07	0.85	0.839	1.09	84.27	37.12	7.20	
91.39	14.15 0.50	43.91	2.07	0.85	0.842	1.09	84.19	37.28	7.20	
91.30	14.20 0.50	43.94	2.07	0.85	0.845	1.09	84.10	37.44	7.20	
91.22	14.25 0.50	43.98	2.07	0.85	0.848	1.09	84.02	37.60	7.20	
91.14	14.30 0.50	44.01	2.07	0.85	0.851	1.08	83.94	37.76	7.20	
91.06	14.35 0.50	44.05	2.07	0.85	0.854	1.08	83.86	37.92	7.20	
90.98	14.40 0.50	44.08	2.07	0.85	0.857	1.08	83.78	38.08	7.20	
90.90	14.45 0.50	44.12	2.07	0.85	0.860	1.08	83.70	38.24	7.20	
90.82	14.50 0.50	44.15	2.07	0.85	0.863	1.08	83.62	38.40	7.20	
90.74	14.55 0.50	44.19	2.07	0.85	0.866	1.07	83.54	38.56	7.20	
90.66	14.60 0.50	44.22	2.07	0.85	0.869	1.07	83.46	38.72	7.20	
90.58	14.65 0.50	44.26	2.07	0.85	0.872	1.07	83.38	38.88	7.20	
90.51	14.70 0.50	44.29	2.07	0.85	0.875	1.07	83.31	39.04	7.20	
90.43	14.75 0.50	44.33	2.07	0.85	0.878	1.07	83.23	39.20	7.20	
100.14	14.80 0.50	44.36	2.07	0.95	0.881	1.07	92.94	39.36	7.20	
100.05	14.85 0.50	44.40	2.07	0.95	0.884	1.06	92.85	39.52	7.20	
99.96	14.90 0.50	44.43	2.07	0.95	0.887	1.06	92.76	39.68	7.20	
99.88	14.95 0.50	44.47	2.07	0.95	0.890	1.06	92.68	39.84	7.20	
99.80	15.00 0.50	44.50	2.07	0.95	0.893	1.06	92.60	40.00	7.20	
99.71	15.05 0.50	44.54	2.07	0.95	0.896	1.06	92.51	40.16	7.20	
99.63	15.10 0.50	44.57	2.07	0.95	0.899	1.05	92.43	40.32	7.20	
99.55	15.15 0.50	44.61	2.07	0.95	0.902	1.05	92.35	40.48	7.20	
99.46	15.20 0.50	44.64	2.07	0.95	0.905	1.05	92.26	40.64	7.20	
	15.25	44.68	2.07	0.95	0.908	1.05	92.18	40.80	7.20	

Li quefy. cal

99.38	0.50									
	15.30	44.71	2.07	0.95	0.911	1.05	92.10	40.96	7.20	
99.30	0.50									
	15.35	44.75	2.07	0.95	0.914	1.05	92.02	41.12	7.20	
99.22	0.50									
	15.40	44.78	2.07	0.95	0.917	1.04	91.94	41.28	7.20	
99.14	0.50									
	15.45	44.82	2.07	0.95	0.920	1.04	91.86	41.44	7.20	
99.06	0.50									
	15.50	44.85	2.07	0.95	0.923	1.04	91.78	41.60	7.20	
98.98	0.50									
	15.55	44.89	2.07	0.95	0.927	1.04	91.70	41.76	7.20	
98.90	0.50									
	15.60	44.92	2.07	0.95	0.930	1.04	91.62	41.92	7.20	
98.82	0.50									
	15.65	44.96	2.07	0.95	0.933	1.04	91.54	42.08	7.20	
98.74	0.50									
	15.70	44.99	2.07	0.95	0.936	1.03	91.46	42.24	7.20	
98.66	0.50									
	15.75	45.03	2.07	0.95	0.939	1.03	91.39	42.40	7.20	
98.59	0.50									
	15.80	45.06	2.07	0.95	0.942	1.03	91.31	42.56	7.20	
98.51	0.50									
	15.85	45.10	2.07	0.95	0.945	1.03	91.23	42.72	7.20	
98.43	0.50									
	15.90	45.13	2.07	0.95	0.948	1.03	91.16	42.88	7.20	
98.36	0.50									
	15.95	45.17	2.07	0.95	0.951	1.03	91.08	43.04	7.20	
98.28	0.50									
	16.00	45.20	2.07	0.95	0.954	1.02	91.00	43.20	7.20	
98.20	0.50									
	16.05	45.24	2.07	0.95	0.957	1.02	90.93	43.36	7.20	
98.13	0.50									
	16.10	45.27	2.07	0.95	0.960	1.02	90.85	43.52	7.20	
98.05	0.50									
	16.15	45.31	2.07	0.95	0.963	1.02	90.78	43.68	7.20	
97.98	0.50									
	16.20	45.34	2.07	0.95	0.966	1.02	90.71	43.84	7.20	
97.91	0.50									
	16.25	45.38	2.07	0.95	0.969	1.02	90.63	44.00	7.20	
97.83	0.50									
	16.30	45.41	2.07	0.95	0.972	1.01	90.56	44.16	7.20	
97.76	0.50									
	16.35	45.45	2.07	0.95	0.975	1.01	90.48	44.32	7.20	
97.68	0.50									
	16.40	45.48	2.07	0.95	0.979	1.01	90.41	44.48	7.20	
97.61	0.50									
	16.45	45.52	2.07	0.95	0.982	1.01	90.34	44.64	7.20	
97.54	0.50									
	16.50	45.55	2.07	0.95	0.985	1.01	90.27	44.80	7.20	
97.47	0.50									
	16.55	45.59	2.07	0.95	0.988	1.01	90.20	44.96	7.20	
97.40	0.50									
	16.60	45.62	2.07	0.95	0.991	1.00	90.12	45.12	7.20	
97.32	0.50									
	16.65	45.66	2.07	0.95	0.994	1.00	90.05	45.28	7.20	
97.25	0.50									
	16.70	45.69	2.07	0.95	0.997	1.00	89.98	45.44	7.20	
97.18	0.50									
	16.75	45.73	2.07	0.95	1.000	1.00	89.91	45.60	7.20	
97.11	0.50									
	16.80	45.76	2.07	0.95	1.003	1.00	89.84	45.76	7.20	
97.04	0.50									

					Li quefy. cal					
96.97	16.85 0.50	45.80	2.07	0.95	1.006	1.00	89.77	45.92	7.20	
96.90	16.90 0.50	45.83	2.07	0.95	1.009	1.00	89.70	46.08	7.20	
96.84	16.95 0.50	45.87	2.07	0.95	1.012	0.99	89.64	46.24	7.20	
96.77	17.00 0.50	45.90	2.07	0.95	1.016	0.99	89.57	46.40	7.20	
96.70	17.05 0.50	45.94	2.07	0.95	1.019	0.99	89.50	46.56	7.20	
96.63	17.10 0.50	45.97	2.07	0.95	1.022	0.99	89.43	46.72	7.20	
96.56	17.15 0.50	46.01	2.07	0.95	1.025	0.99	89.36	46.88	7.20	
96.50	17.20 0.50	46.04	2.07	0.95	1.028	0.99	89.30	47.04	7.20	
96.43	17.25 0.50	46.08	2.07	0.95	1.031	0.98	89.23	47.20	7.20	
96.36	17.30 0.50	46.11	2.07	0.95	1.034	0.98	89.16	47.36	7.20	
96.30	17.35 0.50	46.15	2.07	0.95	1.037	0.98	89.10	47.52	7.20	
96.23	17.40 0.50	46.18	2.07	0.95	1.040	0.98	89.03	47.68	7.20	
96.16	17.45 0.50	46.22	2.07	0.95	1.044	0.98	88.96	47.84	7.20	
96.10	17.50 0.50	46.25	2.07	0.95	1.047	0.98	88.90	48.00	7.20	
96.03	17.55 0.50	46.29	2.07	0.95	1.050	0.98	88.83	48.16	7.20	
95.97	17.60 0.50	46.32	2.07	0.95	1.053	0.97	88.77	48.32	7.20	
95.91	17.65 0.50	46.36	2.07	0.95	1.056	0.97	88.71	48.48	7.20	
95.84	17.70 0.50	46.39	2.07	0.95	1.059	0.97	88.64	48.64	7.20	
95.78	17.75 0.50	46.43	2.07	0.95	1.062	0.97	88.58	48.80	7.20	
95.71	17.80 0.50	46.46	2.07	0.95	1.065	0.97	88.51	48.96	7.20	
95.65	17.85 0.50	46.50	2.07	0.95	1.069	0.97	88.45	49.12	7.20	
95.59	17.90 0.50	46.53	2.07	0.95	1.072	0.97	88.39	49.28	7.20	
95.53	17.95 0.50	46.57	2.07	0.95	1.075	0.96	88.33	49.44	7.20	
95.46	18.00 0.50	46.60	2.07	0.95	1.078	0.96	88.26	49.60	7.20	
95.40	18.05 0.50	46.64	2.07	0.95	1.081	0.96	88.20	49.76	7.20	
95.34	18.10 0.50	46.67	2.07	0.95	1.084	0.96	88.14	49.92	7.20	
95.28	18.15 0.50	46.71	2.07	0.95	1.087	0.96	88.08	50.08	7.20	
95.22	18.20 0.50	46.74	2.07	0.95	1.091	0.96	88.02	50.24	7.20	
95.16	18.25 0.50	46.78	2.07	0.95	1.094	0.96	87.96	50.40	7.20	
95.10	18.30 0.50	46.81	2.07	0.95	1.097	0.95	87.90	50.56	7.20	
95.04	18.35 0.50	46.85	2.07	0.95	1.100	0.95	87.84	50.72	7.20	
	18.40	46.88	2.07	0.95	1.103	0.95	87.78	50.88	7.20	

Li quefy. cal

94. 98	0. 50									
	18. 45	46. 92	2. 07	0. 95	1. 106	0. 95	87. 72	51. 04	7. 20	
94. 92	0. 50									
	18. 50	46. 95	2. 07	0. 95	1. 109	0. 95	87. 66	51. 20	7. 20	
94. 86	0. 50									
	18. 55	46. 99	2. 07	0. 95	1. 113	0. 95	87. 60	51. 36	7. 20	
94. 80	0. 50									
	18. 60	47. 02	2. 07	0. 95	1. 116	0. 95	87. 54	51. 52	7. 20	
94. 74	0. 50									
	18. 65	47. 06	2. 07	0. 95	1. 119	0. 95	87. 48	51. 68	7. 20	
94. 68	0. 50									
	18. 70	47. 09	2. 07	0. 95	1. 122	0. 94	87. 42	51. 84	7. 20	
94. 62	0. 50									
	18. 75	47. 13	2. 07	0. 95	1. 125	0. 94	87. 36	52. 00	7. 20	
94. 56	0. 50									
	18. 80	47. 16	2. 07	0. 95	1. 128	0. 94	87. 31	52. 16	7. 20	
94. 51	0. 50									
	18. 85	47. 19	2. 07	0. 95	1. 132	0. 94	87. 25	52. 32	7. 20	
94. 45	0. 50									
	18. 90	47. 23	2. 07	0. 95	1. 135	0. 94	87. 19	52. 48	7. 20	
94. 39	0. 50									
	18. 95	47. 26	2. 07	0. 95	1. 138	0. 94	87. 13	52. 64	7. 20	
94. 33	0. 50									
	19. 00	47. 30	2. 07	0. 95	1. 141	0. 94	87. 08	52. 80	7. 20	
94. 28	0. 50									
	19. 05	47. 33	2. 07	0. 95	1. 144	0. 93	87. 02	52. 96	7. 20	
94. 22	0. 50									
	19. 10	47. 37	2. 07	0. 95	1. 147	0. 93	86. 96	53. 12	7. 20	
94. 16	0. 50									
	19. 15	47. 40	2. 07	0. 95	1. 151	0. 93	86. 91	53. 28	7. 20	
94. 11	0. 50									
	19. 20	47. 44	2. 07	0. 95	1. 154	0. 93	86. 85	53. 44	7. 20	
94. 05	0. 50									
	19. 25	47. 47	2. 07	0. 95	1. 157	0. 93	86. 80	53. 60	7. 20	
94. 00	0. 50									
	19. 30	47. 51	2. 07	0. 95	1. 160	0. 93	86. 74	53. 76	7. 20	
93. 94	0. 50									
	19. 35	47. 54	2. 07	0. 95	1. 163	0. 93	86. 69	53. 92	7. 20	
93. 89	0. 50									
	19. 40	47. 58	2. 07	0. 95	1. 167	0. 93	86. 63	54. 08	7. 20	
93. 83	0. 50									
	19. 45	47. 61	2. 07	0. 95	1. 170	0. 92	86. 58	54. 24	7. 20	
93. 78	0. 50									
	19. 50	47. 65	2. 07	0. 95	1. 173	0. 92	86. 52	54. 40	7. 20	
93. 72	0. 50									
	19. 55	47. 68	2. 07	0. 95	1. 176	0. 92	86. 47	54. 56	7. 20	
93. 67	0. 50									
	19. 60	47. 72	2. 07	0. 95	1. 179	0. 92	86. 41	54. 72	7. 20	
93. 61	0. 50									
	19. 65	47. 75	2. 07	0. 95	1. 182	0. 92	86. 36	54. 88	7. 20	
93. 56	0. 50									
	19. 70	47. 79	2. 07	0. 95	1. 186	0. 92	86. 31	55. 04	7. 20	
93. 51	0. 50									
	19. 75	47. 82	2. 07	0. 95	1. 189	0. 92	86. 25	55. 20	7. 20	
93. 45	0. 50									
	19. 80	47. 86	2. 07	0. 95	1. 192	0. 92	86. 20	55. 36	7. 20	
93. 40	0. 50									
	19. 85	47. 89	2. 07	0. 95	1. 195	0. 91	86. 15	55. 52	7. 20	
93. 35	0. 50									
	19. 90	47. 93	2. 07	0. 95	1. 199	0. 91	86. 10	55. 68	7. 20	
93. 30	0. 50									
	19. 95	47. 96	2. 07	0. 95	1. 202	0. 91	86. 04	55. 84	7. 20	
93. 24	0. 50									

					Liquefy. cal					
93.19	20.00 0.50	48.00	2.07	0.95	1.205	0.91	85.99	56.00	7.20	
93.04	20.05 0.50	47.98	2.07	0.95	1.208	0.91	85.84	55.94	7.20	
92.89	20.10 0.50	47.96	2.07	0.95	1.211	0.91	85.69	55.87	7.20	
92.74	20.15 0.50	47.94	2.07	0.95	1.215	0.91	85.54	55.81	7.20	
92.59	20.20 0.50	47.92	2.07	0.95	1.218	0.91	85.39	55.74	7.20	
92.45	20.25 0.50	47.90	2.07	0.95	1.221	0.90	85.25	55.68	7.20	
92.30	20.30 0.50	47.88	2.07	0.95	1.224	0.90	85.10	55.61	7.20	
92.15	20.35 0.50	47.86	2.07	0.95	1.227	0.90	84.95	55.55	7.20	
92.01	20.40 0.50	47.84	2.07	0.95	1.231	0.90	84.81	55.48	7.20	
91.86	20.45 0.50	47.82	2.07	0.95	1.234	0.90	84.66	55.42	7.20	
91.71	20.50 0.50	47.80	2.07	0.95	1.237	0.90	84.51	55.35	7.20	
91.57	20.55 0.50	47.78	2.07	0.95	1.240	0.90	84.37	55.29	7.20	
91.43	20.60 0.50	47.76	2.07	0.95	1.243	0.90	84.23	55.22	7.20	
91.28	20.65 0.50	47.74	2.07	0.95	1.247	0.90	84.08	55.16	7.20	
91.14	20.70 0.50	47.72	2.07	0.95	1.250	0.89	83.94	55.09	7.20	
91.00	20.75 0.50	47.70	2.07	0.95	1.253	0.89	83.80	55.03	7.20	
90.85	20.80 0.50	47.68	2.07	0.95	1.256	0.89	83.65	54.96	7.20	
90.71	20.85 0.50	47.66	2.07	0.95	1.259	0.89	83.51	54.90	7.20	
90.57	20.90 0.50	47.64	2.07	0.95	1.263	0.89	83.37	54.83	7.20	
90.43	20.95 0.50	47.62	2.07	0.95	1.266	0.89	83.23	54.77	7.20	
90.29	21.00 0.50	47.60	2.07	0.95	1.269	0.89	83.09	54.70	7.20	
90.15	21.05 0.50	47.58	2.07	0.95	1.272	0.89	82.95	54.64	7.20	
90.01	21.10 0.50	47.56	2.07	0.95	1.275	0.89	82.81	54.57	7.20	
89.87	21.15 0.50	47.54	2.07	0.95	1.279	0.88	82.67	54.51	7.20	
89.74	21.20 0.50	47.52	2.07	0.95	1.282	0.88	82.54	54.44	7.20	
89.60	21.25 0.50	47.50	2.07	0.95	1.285	0.88	82.40	54.38	7.20	
89.46	21.30 0.50	47.48	2.07	0.95	1.288	0.88	82.26	54.31	7.20	
89.33	21.35 0.50	47.46	2.07	0.95	1.291	0.88	82.13	54.25	7.20	
89.19	21.40 0.50	47.44	2.07	0.95	1.295	0.88	81.99	54.18	7.20	
89.05	21.45 0.50	47.42	2.07	0.95	1.298	0.88	81.85	54.12	7.20	
88.92	21.50 0.50	47.40	2.07	0.95	1.301	0.88	81.72	54.05	7.20	
	21.55	47.38	2.07	0.95	1.304	0.88	81.58	53.99	7.20	

Li quefy. cal

88.78	0.50									
	21.60	47.36	2.07	0.95	1.307	0.87	81.45	53.92	7.20	
88.65	0.50									
	21.65	47.34	2.07	0.95	1.311	0.87	81.32	53.86	7.20	
88.52	0.50									
	21.70	47.32	2.07	0.95	1.314	0.87	81.18	53.79	7.20	
88.38	0.50									
	21.75	47.30	2.07	0.95	1.317	0.87	81.05	53.73	7.20	
88.25	0.50									
	21.80	47.28	2.07	0.95	1.320	0.87	80.92	53.66	7.20	
88.12	0.50									
	21.85	47.26	2.07	0.95	1.323	0.87	80.79	53.60	7.20	
87.99	0.50									
	21.90	47.24	2.07	0.95	1.327	0.87	80.65	53.53	7.20	
87.85	0.50									
	21.95	47.22	2.07	0.95	1.330	0.87	80.52	53.47	7.20	
87.72	0.50									
	22.00	47.20	2.07	0.95	1.333	0.87	80.39	53.40	7.20	
87.59	0.50									
	22.05	47.18	2.07	0.95	1.336	0.87	80.26	53.34	7.20	
87.46	0.50									
	22.10	47.16	2.07	0.95	1.339	0.86	80.13	53.27	7.20	
87.33	0.50									
	22.15	47.14	2.07	0.95	1.343	0.86	80.00	53.21	7.20	
87.20	0.50									
	22.20	47.12	2.07	0.95	1.346	0.86	79.88	53.14	7.20	
87.08	0.50									
	22.25	47.10	2.07	0.95	1.349	0.86	79.75	53.08	7.20	
86.95	0.50									
	22.30	47.08	2.07	0.95	1.352	0.86	79.62	53.01	7.20	
86.82	0.50									
	22.35	47.06	2.07	0.95	1.355	0.86	79.49	52.95	7.20	
86.69	0.50									
	22.40	47.04	2.07	0.95	1.359	0.86	79.37	52.88	7.20	
86.57	0.50									
	22.45	47.02	2.07	0.95	1.362	0.86	79.24	52.82	7.20	
86.44	0.50									
	22.50	47.00	2.07	0.95	1.365	0.86	79.11	52.75	7.20	
86.31	0.50									
	22.55	46.98	2.07	0.95	1.368	0.85	78.99	52.69	7.20	
86.19	0.50									
	22.60	46.96	2.07	0.95	1.371	0.85	78.86	52.62	7.20	
86.06	0.50									
	22.65	46.94	2.07	0.95	1.374	0.85	78.74	52.56	7.20	
85.94	0.50									
	22.70	46.92	2.07	0.95	1.378	0.85	78.61	52.49	7.20	
85.81	0.50									
	22.75	46.90	2.07	0.95	1.381	0.85	78.49	52.43	7.20	
85.69	0.50									
	22.80	46.88	2.07	0.95	1.384	0.85	78.36	52.36	7.20	
85.56	0.50									
	22.85	46.86	2.07	0.95	1.387	0.85	78.24	52.30	7.20	
85.44	0.50									
	22.90	46.84	2.07	0.95	1.390	0.85	78.12	52.23	7.20	
85.32	0.50									
	22.95	46.82	2.07	0.95	1.394	0.85	78.00	52.17	7.20	
85.20	0.50									
	23.00	46.80	2.07	0.95	1.397	0.85	77.87	52.10	7.20	
85.07	0.50									
	23.05	46.78	2.07	0.95	1.400	0.85	77.75	52.04	7.20	
84.95	0.50									
	23.10	46.76	2.07	0.95	1.403	0.84	77.63	51.97	7.20	
84.83	0.50									

					Li quefy. cal					
84.71	23.15 0.50	46.74	2.07	0.95	1.406	0.84	77.51	51.91	7.20	
84.59	23.20 0.50	46.72	2.07	0.95	1.409	0.84	77.39	51.84	7.20	
84.47	23.25 0.50	46.70	2.07	0.95	1.413	0.84	77.27	51.78	7.20	
84.35	23.30 0.50	46.68	2.07	0.95	1.416	0.84	77.15	51.71	7.20	
84.23	23.35 0.50	46.66	2.07	0.95	1.419	0.84	77.03	51.65	7.20	
84.11	23.40 0.50	46.64	2.07	0.95	1.422	0.84	76.91	51.58	7.20	
83.99	23.45 0.50	46.62	2.07	0.95	1.425	0.84	76.79	51.52	7.20	
83.87	23.50 0.50	46.60	2.07	0.95	1.428	0.84	76.67	51.45	7.20	
83.76	23.55 0.50	46.58	2.07	0.95	1.432	0.84	76.56	51.39	7.20	
83.64	23.60 0.50	46.56	2.07	0.95	1.435	0.83	76.44	51.32	7.20	
83.52	23.65 0.50	46.54	2.07	0.95	1.438	0.83	76.32	51.26	7.20	
83.41	23.70 0.50	46.52	2.07	0.95	1.441	0.83	76.21	51.19	7.20	
83.29	23.75 0.50	46.50	2.07	0.95	1.444	0.83	76.09	51.13	7.20	
83.17	23.80 0.50	46.48	2.07	0.95	1.447	0.83	75.97	51.06	7.20	
83.06	23.85 0.50	46.46	2.07	0.95	1.451	0.83	75.86	51.00	7.20	
82.94	23.90 0.50	46.44	2.07	0.95	1.454	0.83	75.74	50.93	7.20	
82.83	23.95 0.50	46.42	2.07	0.95	1.457	0.83	75.63	50.87	7.20	
82.71	24.00 0.50	46.40	2.07	0.95	1.460	0.83	75.51	50.80	7.20	
82.60	24.05 0.50	46.38	2.07	0.95	1.463	0.83	75.40	50.74	7.20	
82.48	24.10 0.50	46.36	2.07	0.95	1.466	0.83	75.28	50.67	7.20	
82.37	24.15 0.50	46.34	2.07	0.95	1.470	0.82	75.17	50.61	7.20	
82.26	24.20 0.50	46.32	2.07	0.95	1.473	0.82	75.06	50.54	7.20	
82.14	24.25 0.50	46.30	2.07	0.95	1.476	0.82	74.94	50.48	7.20	
82.03	24.30 0.50	46.28	2.07	0.95	1.479	0.82	74.83	50.41	7.20	
81.92	24.35 0.50	46.26	2.07	0.95	1.482	0.82	74.72	50.35	7.20	
81.81	24.40 0.50	46.24	2.07	0.95	1.485	0.82	74.61	50.28	7.20	
81.70	24.45 0.50	46.22	2.07	0.95	1.489	0.82	74.50	50.22	7.20	
81.59	24.50 0.50	46.20	2.07	0.95	1.492	0.82	74.39	50.15	7.20	
81.47	24.55 0.50	46.18	2.07	0.95	1.495	0.82	74.27	50.09	7.20	
81.36	24.60 0.50	46.16	2.07	0.95	1.498	0.82	74.16	50.02	7.20	
81.25	24.65 0.50	46.14	2.07	0.95	1.501	0.82	74.05	49.96	7.20	
	24.70	46.12	2.07	0.95	1.504	0.82	73.94	49.89	7.20	

Li quefy. cal

81. 14	0. 50									
	24. 75	46. 10	2. 07	0. 95	1. 508	0. 81	73. 83	49. 83	7. 20	
81. 03	0. 50									
	24. 80	46. 08	2. 07	0. 95	1. 511	0. 81	73. 73	49. 76	7. 20	
80. 93	0. 50									
	24. 85	46. 06	2. 07	0. 95	1. 514	0. 81	73. 62	49. 70	7. 20	
80. 82	0. 50									
	24. 90	46. 04	2. 07	0. 95	1. 517	0. 81	73. 51	49. 63	7. 20	
80. 71	0. 50									
	24. 95	46. 02	2. 07	0. 95	1. 520	0. 81	73. 40	49. 57	7. 20	
80. 60	0. 50									
	25. 00	46. 00	2. 07	0. 95	1. 523	0. 81	73. 29	49. 50	7. 20	
80. 49	0. 50									
	25. 05	45. 98	2. 07	0. 95	1. 526	0. 81	73. 18	49. 44	7. 20	
80. 38	0. 50									
	25. 10	45. 96	2. 07	0. 95	1. 530	0. 81	73. 08	49. 37	7. 20	
80. 28	0. 50									
	25. 15	45. 94	2. 07	0. 95	1. 533	0. 81	72. 97	49. 31	7. 20	
80. 17	0. 50									
	25. 20	45. 92	2. 07	0. 95	1. 536	0. 81	72. 86	49. 24	7. 20	
80. 06	0. 50									
	25. 25	45. 90	2. 07	0. 95	1. 539	0. 81	72. 76	49. 18	7. 20	
79. 96	0. 50									
	25. 30	45. 88	2. 07	0. 95	1. 542	0. 81	72. 65	49. 11	7. 20	
79. 85	0. 50									
	25. 35	45. 86	2. 07	0. 95	1. 545	0. 80	72. 54	49. 05	7. 20	
79. 74	0. 50									
	25. 40	45. 84	2. 07	0. 95	1. 549	0. 80	72. 44	48. 98	7. 20	
79. 64	0. 50									
	25. 45	45. 82	2. 07	0. 95	1. 552	0. 80	72. 33	48. 92	7. 20	
79. 53	0. 50									
	25. 50	45. 80	2. 07	0. 95	1. 555	0. 80	72. 23	48. 85	7. 20	
79. 43	0. 50									
	25. 55	45. 78	2. 07	0. 95	1. 558	0. 80	72. 13	48. 79	7. 20	
79. 33	0. 50									
	25. 60	45. 76	2. 07	0. 95	1. 561	0. 80	72. 02	48. 72	7. 20	
79. 22	0. 50									
	25. 65	45. 74	2. 07	0. 95	1. 564	0. 80	71. 92	48. 66	7. 20	
79. 12	0. 50									
	25. 70	45. 72	2. 07	0. 95	1. 567	0. 80	71. 81	48. 59	7. 20	
79. 01	0. 50									
	25. 75	45. 70	2. 07	0. 95	1. 571	0. 80	71. 71	48. 53	7. 20	
78. 91	0. 50									
	25. 80	45. 68	2. 07	0. 95	1. 574	0. 80	71. 61	48. 46	7. 20	
78. 81	0. 50									
	25. 85	45. 66	2. 07	0. 95	1. 577	0. 80	71. 50	48. 40	7. 20	
78. 70	0. 50									
	25. 90	45. 64	2. 07	0. 95	1. 580	0. 80	71. 40	48. 33	7. 20	
78. 60	0. 50									
	25. 95	45. 62	2. 07	0. 95	1. 583	0. 79	71. 30	48. 27	7. 20	
78. 50	0. 50									
	26. 00	45. 60	2. 07	0. 95	1. 586	0. 79	71. 20	48. 20	7. 20	
78. 40	0. 50									
	26. 05	45. 58	2. 07	0. 95	1. 589	0. 79	71. 10	48. 14	7. 20	
78. 30	0. 50									
	26. 10	45. 56	2. 07	0. 95	1. 593	0. 79	70. 99	48. 07	7. 20	
78. 19	0. 50									
	26. 15	45. 54	2. 07	0. 95	1. 596	0. 79	70. 89	48. 01	7. 20	
78. 09	0. 50									
	26. 20	45. 52	2. 07	0. 95	1. 599	0. 79	70. 79	47. 94	7. 20	
77. 99	0. 50									
	26. 25	45. 50	2. 07	0. 95	1. 602	0. 79	70. 69	47. 88	7. 20	
77. 89	0. 50									

					Li quefy. cal					
77.79	26.30 0.50	45.48	2.07	0.95	1.605	0.79	70.59	47.81	7.20	
77.69	26.35 0.50	45.46	2.07	0.95	1.608	0.79	70.49	47.75	7.20	
77.59	26.40 0.50	45.44	2.07	0.95	1.611	0.79	70.39	47.68	7.20	
77.49	26.45 0.50	45.42	2.07	0.95	1.615	0.79	70.29	47.62	7.20	
77.39	26.50 0.50	45.40	2.07	0.95	1.618	0.79	70.19	47.55	7.20	
77.30	26.55 0.50	45.38	2.07	0.95	1.621	0.79	70.10	47.49	7.20	
77.20	26.60 0.50	45.36	2.07	0.95	1.624	0.78	70.00	47.42	7.20	
77.10	26.65 0.50	45.34	2.07	0.95	1.627	0.78	69.90	47.36	7.20	
77.00	26.70 0.50	45.32	2.07	0.95	1.630	0.78	69.80	47.29	7.20	
76.90	26.75 0.50	45.30	2.07	0.95	1.633	0.78	69.70	47.23	7.20	
76.81	26.80 0.50	45.28	2.07	0.95	1.637	0.78	69.61	47.16	7.20	
76.71	26.85 0.50	45.26	2.07	0.95	1.640	0.78	69.51	47.10	7.20	
76.61	26.90 0.50	45.24	2.07	0.95	1.643	0.78	69.41	47.03	7.20	
76.51	26.95 0.50	45.22	2.07	0.95	1.646	0.78	69.31	46.97	7.20	
76.42	27.00 0.50	45.20	2.07	0.95	1.649	0.78	69.22	46.90	7.20	
76.32	27.05 0.50	45.18	2.07	0.95	1.652	0.78	69.12	46.84	7.20	
76.23	27.10 0.50	45.16	2.07	0.95	1.655	0.78	69.03	46.77	7.20	
76.13	27.15 0.50	45.14	2.07	0.95	1.658	0.78	68.93	46.71	7.20	
76.03	27.20 0.50	45.12	2.07	0.95	1.662	0.78	68.83	46.64	7.20	
75.94	27.25 0.50	45.10	2.07	0.95	1.665	0.78	68.74	46.58	7.20	
75.84	27.30 0.50	45.08	2.07	0.95	1.668	0.77	68.64	46.51	7.20	
75.75	27.35 0.50	45.06	2.07	0.95	1.671	0.77	68.55	46.45	7.20	
75.66	27.40 0.50	45.04	2.07	0.95	1.674	0.77	68.46	46.38	7.20	
75.56	27.45 0.50	45.02	2.07	0.95	1.677	0.77	68.36	46.32	7.20	
75.47	27.50 0.50	45.00	2.07	0.95	1.680	0.77	68.27	46.25	7.20	
75.37	27.55 0.50	44.98	2.07	0.95	1.683	0.77	68.17	46.19	7.20	
75.28	27.60 0.50	44.96	2.07	0.95	1.687	0.77	68.08	46.12	7.20	
75.19	27.65 0.50	44.94	2.07	0.95	1.690	0.77	67.99	46.06	7.20	
75.09	27.70 0.50	44.92	2.07	0.95	1.693	0.77	67.89	45.99	7.20	
75.00	27.75 0.50	44.90	2.07	0.95	1.696	0.77	67.80	45.93	7.20	
74.91	27.80 0.50	44.88	2.07	0.95	1.699	0.77	67.71	45.86	7.20	
	27.85	44.86	2.07	0.95	1.702	0.77	67.62	45.80	7.20	

Li quefy. cal

74.82	0.50									
	27.90	44.84	2.07	1.00	1.705	0.77	71.08	45.73	7.20	
78.28	0.50									
	27.95	44.82	2.07	1.00	1.708	0.77	70.98	45.67	7.20	
78.18	0.50									
	28.00	44.80	2.07	1.00	1.712	0.76	70.89	45.60	7.20	
78.09	0.50									
	28.05	44.78	2.07	1.00	1.715	0.76	70.79	45.54	7.20	
77.99	0.50									
	28.10	44.76	2.07	1.00	1.718	0.76	70.69	45.47	7.20	
77.89	0.50									
	28.15	44.74	2.07	1.00	1.721	0.76	70.60	45.41	7.20	
77.80	0.50									
	28.20	44.72	2.07	1.00	1.724	0.76	70.50	45.34	7.20	
77.70	0.50									
	28.25	44.70	2.07	1.00	1.727	0.76	70.41	45.28	7.20	
77.61	0.50									
	28.30	44.68	2.07	1.00	1.730	0.76	70.31	45.21	7.20	
77.51	0.50									
	28.35	44.66	2.07	1.00	1.733	0.76	70.22	45.15	7.20	
77.42	0.50									
	28.40	44.64	2.07	1.00	1.736	0.76	70.12	45.08	7.20	
77.32	0.50									
	28.45	44.62	2.07	1.00	1.740	0.76	70.03	45.02	7.20	
77.23	0.50									
	28.50	44.60	2.07	1.00	1.743	0.76	69.93	44.95	7.20	
77.13	0.50									
	28.55	44.58	2.07	1.00	1.746	0.76	69.84	44.89	7.20	
77.04	0.50									
	28.60	44.56	2.07	1.00	1.749	0.76	69.75	44.82	7.20	
76.95	0.50									
	28.65	44.54	2.07	1.00	1.752	0.76	69.65	44.76	7.20	
76.85	0.50									
	28.70	44.52	2.07	1.00	1.755	0.75	69.56	44.69	7.20	
76.76	0.50									
	28.75	44.50	2.07	1.00	1.758	0.75	69.47	44.63	7.20	
76.67	0.50									
	28.80	44.48	2.07	1.00	1.761	0.75	69.38	44.56	7.20	
76.58	0.50									
	28.85	44.46	2.07	1.00	1.764	0.75	69.28	44.50	7.20	
76.48	0.50									
	28.90	44.44	2.07	1.00	1.768	0.75	69.19	44.43	7.20	
76.39	0.50									
	28.95	44.42	2.07	1.00	1.771	0.75	69.10	44.37	7.20	
76.30	0.50									
	29.00	44.40	2.07	1.00	1.774	0.75	69.01	44.30	7.20	
76.21	0.50									
	29.05	44.38	2.07	1.00	1.777	0.75	68.92	44.24	7.20	
76.12	0.50									
	29.10	44.36	2.07	1.00	1.780	0.75	68.83	44.17	7.20	
76.03	0.50									
	29.15	44.34	2.07	1.00	1.783	0.75	68.73	44.11	7.20	
75.93	0.50									
	29.20	44.32	2.07	1.00	1.786	0.75	68.64	44.04	7.20	
75.84	0.50									
	29.25	44.30	2.07	1.00	1.789	0.75	68.55	43.98	7.20	
75.75	0.50									
	29.30	44.28	2.07	1.00	1.792	0.75	68.46	43.91	7.20	
75.66	0.50									
	29.35	44.26	2.07	1.00	1.796	0.75	68.37	43.85	7.20	
75.57	0.50									
	29.40	44.24	2.07	1.00	1.799	0.75	68.28	43.78	7.20	
75.48	0.50									

					Liquefy. cal					
75.39	29.45 0.50	44.22	2.07	1.00	1.802	0.74	68.19	43.72	7.20	
75.30	29.50 0.50	44.20	2.07	1.00	1.805	0.74	68.10	43.65	7.20	
75.21	29.55 0.50	44.18	2.07	1.00	1.808	0.74	68.01	43.59	7.20	
75.13	29.60 0.50	44.16	2.07	1.00	1.811	0.74	67.93	43.52	7.20	
75.04	29.65 0.50	44.14	2.07	1.00	1.814	0.74	67.84	43.46	7.20	
74.95	29.70 0.50	44.12	2.07	1.00	1.817	0.74	67.75	43.39	7.20	
74.86	29.75 0.50	44.10	2.07	1.00	1.820	0.74	67.66	43.33	7.20	
74.77	29.80 0.50	44.08	2.07	1.00	1.823	0.74	67.57	43.26	7.20	
74.68	29.85 0.50	44.06	2.07	1.00	1.827	0.74	67.48	43.20	7.20	
74.60	29.90 0.50	44.04	2.07	1.00	1.830	0.74	67.40	43.13	7.20	
74.51	29.95 0.50	44.02	2.07	1.00	1.833	0.74	67.31	43.07	7.20	
74.42	30.00 0.50	44.00	2.07	1.00	1.836	0.74	67.22	43.00	7.20	

CRR is based on water table at 30.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.60:									
F. S. =CRRm/CSRfs	Depth ft	sig' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	
	0.00	0.00	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.05	0.00	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.10	0.00	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.15	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.20	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.25	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.30	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.35	0.01	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.40	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.45	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.50	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.55	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.60	0.02	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.65	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.70	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.75	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.80	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.85	0.03	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.90	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	0.95	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.00	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.05	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.10	0.04	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.15	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.20	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.25	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.30	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.35	0.05	0.50	1.00	0.50	1.39	0.69	0.47	5.00
	1.40	0.06	0.50	1.00	0.50	1.39	0.69	0.47	5.00

Liquefy. cal								
29.80	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
29.85	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
29.90	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
29.95	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00
30.00	1.19	0.50	0.98	0.49	1.39	0.68	0.44	5.00

* F. S. <1: Liquefaction Potential Zone. (If above water table: F. S. =5)
 ^ No-liquefiable Soils or above Water Table.
 (F. S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:

Fines Correction for Settlement Analysis:

Depth ft	D50mm	qc/N1	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
0.00	-	-	-	100.00	36.00	0.00	100.00
0.05	-	-	-	100.00	36.00	0.00	100.00
0.10	-	-	-	100.00	36.00	0.00	100.00
0.15	-	-	-	100.00	36.00	0.00	100.00
0.20	-	-	-	100.00	36.00	0.00	100.00
0.25	-	-	-	100.00	36.00	0.00	100.00
0.30	-	-	-	100.00	36.00	0.00	100.00
0.35	-	-	-	100.00	36.00	0.00	100.00
0.40	-	-	-	100.00	36.00	0.00	100.00
0.45	-	-	-	100.00	36.00	0.00	100.00
0.50	-	-	-	100.00	36.00	0.00	100.00
0.55	-	-	-	100.00	36.00	0.00	100.00
0.60	-	-	-	100.00	36.00	0.00	100.00
0.65	-	-	-	100.00	36.00	0.00	100.00
0.70	-	-	-	100.00	36.00	0.00	100.00
0.75	-	-	-	100.00	36.00	0.00	100.00
0.80	-	-	-	100.00	36.00	0.00	100.00
0.85	-	-	-	100.00	36.00	0.00	100.00
0.90	-	-	-	100.00	36.00	0.00	100.00
0.95	-	-	-	100.00	36.00	0.00	100.00
1.00	-	-	-	100.00	36.00	0.00	100.00
1.05	-	-	-	100.00	36.00	0.00	100.00
1.10	-	-	-	100.00	36.00	0.00	100.00
1.15	-	-	-	100.00	36.00	0.00	100.00
1.20	-	-	-	100.00	36.00	0.00	100.00
1.25	-	-	-	100.00	36.00	0.00	100.00
1.30	-	-	-	100.00	36.00	0.00	100.00
1.35	-	-	-	100.00	36.00	0.00	100.00
1.40	-	-	-	100.00	36.00	0.00	100.00
1.45	-	-	-	100.00	36.00	0.00	100.00
1.50	-	-	-	100.00	36.00	0.00	100.00
1.55	-	-	-	100.00	36.00	0.00	100.00
1.60	-	-	-	100.00	36.00	0.00	100.00
1.65	-	-	-	100.00	36.00	0.00	100.00
1.70	-	-	-	100.00	36.00	0.00	100.00
1.75	-	-	-	100.00	36.00	0.00	100.00
1.80	-	-	-	100.00	36.00	0.00	100.00
1.85	-	-	-	100.00	36.00	0.00	100.00
1.90	-	-	-	100.00	36.00	0.00	100.00
1.95	-	-	-	100.00	36.00	0.00	100.00
2.00	-	-	-	99.57	36.00	0.00	99.57
2.05	-	-	-	98.91	36.00	0.00	98.91
2.10	-	-	-	98.25	36.00	0.00	98.25
2.15	-	-	-	97.59	36.00	0.00	97.59
2.20	-	-	-	96.93	36.00	0.00	96.93
2.25	-	-	-	96.27	36.00	0.00	96.27
2.30	-	-	-	95.61	36.00	0.00	95.61

Liquefy. cal

2. 35	-	-	-	94. 96	36. 00	0. 00	94. 96
2. 40	-	-	-	94. 30	36. 00	0. 00	94. 30
2. 45	-	-	-	93. 64	36. 00	0. 00	93. 64
2. 50	-	-	-	92. 98	36. 00	0. 00	92. 98
2. 55	-	-	-	92. 32	36. 00	0. 00	92. 32
2. 60	-	-	-	91. 66	36. 00	0. 00	91. 66
2. 65	-	-	-	91. 00	36. 00	0. 00	91. 00
2. 70	-	-	-	90. 34	36. 00	0. 00	90. 34
2. 75	-	-	-	89. 68	36. 00	0. 00	89. 68
2. 80	-	-	-	89. 02	36. 00	0. 00	89. 02
2. 85	-	-	-	88. 36	36. 00	0. 00	88. 36
2. 90	-	-	-	87. 70	36. 00	0. 00	87. 70
2. 95	-	-	-	87. 04	36. 00	0. 00	87. 04
3. 00	-	-	-	86. 38	36. 00	0. 00	86. 38
3. 05	-	-	-	85. 72	36. 00	0. 00	85. 72
3. 10	-	-	-	85. 06	36. 00	0. 00	85. 06
3. 15	-	-	-	84. 40	36. 00	0. 00	84. 40
3. 20	-	-	-	83. 74	36. 00	0. 00	83. 74
3. 25	-	-	-	83. 08	36. 00	0. 00	83. 08
3. 30	-	-	-	82. 42	36. 00	0. 00	82. 42
3. 35	-	-	-	81. 76	36. 00	0. 00	81. 76
3. 40	-	-	-	81. 10	36. 00	0. 00	81. 10
3. 45	-	-	-	80. 44	36. 00	0. 00	80. 44
3. 50	-	-	-	79. 78	36. 00	0. 00	79. 78
3. 55	-	-	-	79. 12	36. 00	0. 00	79. 12
3. 60	-	-	-	78. 46	36. 00	0. 00	78. 46
3. 65	-	-	-	77. 80	36. 00	0. 00	77. 80
3. 70	-	-	-	77. 14	36. 00	0. 00	77. 14
3. 75	-	-	-	76. 48	36. 00	0. 00	76. 48
3. 80	-	-	-	75. 82	36. 00	0. 00	75. 82
3. 85	-	-	-	75. 16	36. 00	0. 00	75. 16
3. 90	-	-	-	74. 50	36. 00	0. 00	74. 50
3. 95	-	-	-	73. 84	36. 00	0. 00	73. 84
4. 00	-	-	-	73. 18	36. 00	0. 00	73. 18
4. 05	-	-	-	72. 52	36. 00	0. 00	72. 52
4. 10	-	-	-	71. 86	36. 00	0. 00	71. 86
4. 15	-	-	-	71. 20	36. 00	0. 00	71. 20
4. 20	-	-	-	70. 54	36. 00	0. 00	70. 54
4. 25	-	-	-	69. 88	36. 00	0. 00	69. 88
4. 30	-	-	-	69. 22	36. 00	0. 00	69. 22
4. 35	-	-	-	68. 56	36. 00	0. 00	68. 56
4. 40	-	-	-	67. 90	36. 00	0. 00	67. 90
4. 45	-	-	-	67. 24	36. 00	0. 00	67. 24
4. 50	-	-	-	66. 58	36. 00	0. 00	66. 58
4. 55	-	-	-	65. 92	36. 00	0. 00	65. 92
4. 60	-	-	-	65. 26	36. 00	0. 00	65. 26
4. 65	-	-	-	64. 60	36. 00	0. 00	64. 60
4. 70	-	-	-	63. 94	36. 00	0. 00	63. 94
4. 75	-	-	-	63. 28	36. 00	0. 00	63. 28
4. 80	-	-	-	62. 62	36. 00	0. 00	62. 62
4. 85	-	-	-	61. 96	36. 00	0. 00	61. 96
4. 90	-	-	-	61. 30	36. 00	0. 00	61. 30
4. 95	-	-	-	60. 64	36. 00	0. 00	60. 64
5. 00	-	-	-	59. 99	36. 00	0. 00	59. 99
5. 05	-	-	-	60. 54	35. 88	0. 00	60. 54
5. 10	-	-	-	61. 09	35. 76	0. 00	61. 09
5. 15	-	-	-	61. 65	35. 64	0. 00	61. 65
5. 20	-	-	-	62. 20	35. 52	0. 00	62. 20
5. 25	-	-	-	62. 76	35. 40	0. 00	62. 76
5. 30	-	-	-	63. 31	35. 28	0. 00	63. 31
5. 35	-	-	-	63. 86	35. 16	0. 00	63. 86
5. 40	-	-	-	64. 42	35. 04	0. 00	64. 42
5. 45	-	-	-	64. 95	34. 92	0. 00	64. 95

Li quefy. cal

5. 50	-	-	-	65. 48	34. 80	0. 00	65. 48
5. 55	-	-	-	66. 00	34. 68	0. 00	66. 00
5. 60	-	-	-	66. 53	34. 56	0. 00	66. 53
5. 65	-	-	-	67. 06	34. 44	0. 00	67. 06
5. 70	-	-	-	67. 37	34. 32	0. 00	67. 37
5. 75	-	-	-	67. 63	34. 20	0. 00	67. 63
5. 80	-	-	-	67. 89	34. 08	0. 00	67. 89
5. 85	-	-	-	68. 15	33. 96	0. 00	68. 15
5. 90	-	-	-	68. 41	33. 84	0. 00	68. 41
5. 95	-	-	-	68. 66	33. 72	0. 00	68. 66
6. 00	-	-	-	68. 92	33. 60	0. 00	68. 92
6. 05	-	-	-	69. 17	33. 48	0. 00	69. 17
6. 10	-	-	-	69. 43	33. 36	0. 00	69. 43
6. 15	-	-	-	69. 68	33. 24	0. 00	69. 68
6. 20	-	-	-	69. 93	33. 12	0. 00	69. 93
6. 25	-	-	-	70. 18	33. 00	0. 00	70. 18
6. 30	-	-	-	70. 43	32. 88	0. 00	70. 43
6. 35	-	-	-	70. 68	32. 76	0. 00	70. 68
6. 40	-	-	-	70. 93	32. 64	0. 00	70. 93
6. 45	-	-	-	71. 17	32. 52	0. 00	71. 17
6. 50	-	-	-	71. 42	32. 40	0. 00	71. 42
6. 55	-	-	-	71. 66	32. 28	0. 00	71. 66
6. 60	-	-	-	71. 91	32. 16	0. 00	71. 91
6. 65	-	-	-	72. 15	32. 04	0. 00	72. 15
6. 70	-	-	-	72. 39	31. 92	0. 00	72. 39
6. 75	-	-	-	72. 63	31. 80	0. 00	72. 63
6. 80	-	-	-	72. 87	31. 68	0. 00	72. 87
6. 85	-	-	-	73. 11	31. 56	0. 00	73. 11
6. 90	-	-	-	73. 35	31. 44	0. 00	73. 35
6. 95	-	-	-	73. 58	31. 32	0. 00	73. 58
7. 00	-	-	-	73. 82	31. 20	0. 00	73. 82
7. 05	-	-	-	74. 06	31. 08	0. 00	74. 06
7. 10	-	-	-	74. 29	30. 96	0. 00	74. 29
7. 15	-	-	-	74. 52	30. 84	0. 00	74. 52
7. 20	-	-	-	74. 76	30. 72	0. 00	74. 76
7. 25	-	-	-	74. 99	30. 60	0. 00	74. 99
7. 30	-	-	-	75. 22	30. 48	0. 00	75. 22
7. 35	-	-	-	75. 45	30. 36	0. 00	75. 45
7. 40	-	-	-	75. 68	30. 24	0. 00	75. 68
7. 45	-	-	-	75. 91	30. 12	0. 00	75. 91
7. 50	-	-	-	76. 14	30. 00	0. 00	76. 14
7. 55	-	-	-	76. 37	29. 88	0. 00	76. 37
7. 60	-	-	-	76. 59	29. 76	0. 00	76. 59
7. 65	-	-	-	76. 82	29. 64	0. 00	76. 82
7. 70	-	-	-	77. 04	29. 52	0. 00	77. 04
7. 75	-	-	-	77. 27	29. 40	0. 00	77. 27
7. 80	-	-	-	77. 49	29. 28	0. 00	77. 49
7. 85	-	-	-	77. 71	29. 16	0. 00	77. 71
7. 90	-	-	-	77. 94	29. 04	0. 00	77. 94
7. 95	-	-	-	78. 16	28. 92	0. 00	78. 16
8. 00	-	-	-	78. 38	28. 80	0. 00	78. 38
8. 05	-	-	-	78. 60	28. 68	0. 00	78. 60
8. 10	-	-	-	78. 82	28. 56	0. 00	78. 82
8. 15	-	-	-	79. 04	28. 44	0. 00	79. 04
8. 20	-	-	-	79. 25	28. 32	0. 00	79. 25
8. 25	-	-	-	89. 33	28. 20	0. 00	89. 33
8. 30	-	-	-	89. 58	28. 08	0. 00	89. 58
8. 35	-	-	-	89. 82	27. 96	0. 00	89. 82
8. 40	-	-	-	90. 07	27. 84	0. 00	90. 07
8. 45	-	-	-	90. 32	27. 72	0. 00	90. 32
8. 50	-	-	-	90. 57	27. 60	0. 00	90. 57
8. 55	-	-	-	90. 81	27. 48	0. 00	90. 81
8. 60	-	-	-	91. 06	27. 36	0. 00	91. 06

				Liquefy. cal			
8. 65	-	-	-	91. 30	27. 24	0. 00	91. 30
8. 70	-	-	-	91. 55	27. 12	0. 00	91. 55
8. 75	-	-	-	91. 79	27. 00	0. 00	91. 79
8. 80	-	-	-	92. 03	26. 88	0. 00	92. 03
8. 85	-	-	-	92. 27	26. 76	0. 00	92. 27
8. 90	-	-	-	92. 52	26. 64	0. 00	92. 52
8. 95	-	-	-	92. 76	26. 52	0. 00	92. 76
9. 00	-	-	-	93. 00	26. 40	0. 00	93. 00
9. 05	-	-	-	93. 24	26. 28	0. 00	93. 24
9. 10	-	-	-	93. 47	26. 16	0. 00	93. 47
9. 15	-	-	-	93. 71	26. 04	0. 00	93. 71
9. 20	-	-	-	93. 95	25. 92	0. 00	93. 95
9. 25	-	-	-	94. 19	25. 80	0. 00	94. 19
9. 30	-	-	-	94. 42	25. 68	0. 00	94. 42
9. 35	-	-	-	94. 66	25. 56	0. 00	94. 66
9. 40	-	-	-	94. 89	25. 44	0. 00	94. 89
9. 45	-	-	-	95. 13	25. 32	0. 00	95. 13
9. 50	-	-	-	95. 36	25. 20	0. 00	95. 36
9. 55	-	-	-	95. 60	25. 08	0. 00	95. 60
9. 60	-	-	-	95. 83	24. 96	0. 00	95. 83
9. 65	-	-	-	96. 06	24. 84	0. 00	96. 06
9. 70	-	-	-	96. 29	24. 72	0. 00	96. 29
9. 75	-	-	-	96. 52	24. 60	0. 00	96. 52
9. 80	-	-	-	96. 75	24. 48	0. 00	96. 75
9. 85	-	-	-	96. 98	24. 36	0. 00	96. 98
9. 90	-	-	-	97. 21	24. 24	0. 00	97. 21
9. 95	-	-	-	97. 44	24. 12	0. 00	97. 44
10. 00	-	-	-	97. 67	24. 00	0. 00	97. 67
10. 05	-	-	-	97. 57	24. 16	0. 00	97. 57
10. 10	-	-	-	97. 47	24. 32	0. 00	97. 47
10. 15	-	-	-	97. 37	24. 48	0. 00	97. 37
10. 20	-	-	-	97. 27	24. 64	0. 00	97. 27
10. 25	-	-	-	97. 17	24. 80	0. 00	97. 17
10. 30	-	-	-	97. 08	24. 96	0. 00	97. 08
10. 35	-	-	-	96. 98	25. 12	0. 00	96. 98
10. 40	-	-	-	96. 89	25. 28	0. 00	96. 89
10. 45	-	-	-	96. 79	25. 44	0. 00	96. 79
10. 50	-	-	-	96. 70	25. 60	0. 00	96. 70
10. 55	-	-	-	96. 61	25. 76	0. 00	96. 61
10. 60	-	-	-	96. 52	25. 92	0. 00	96. 52
10. 65	-	-	-	96. 43	26. 08	0. 00	96. 43
10. 70	-	-	-	96. 34	26. 24	0. 00	96. 34
10. 75	-	-	-	96. 25	26. 40	0. 00	96. 25
10. 80	-	-	-	96. 17	26. 56	0. 00	96. 17
10. 85	-	-	-	96. 08	26. 72	0. 00	96. 08
10. 90	-	-	-	95. 99	26. 88	0. 00	95. 99
10. 95	-	-	-	95. 91	27. 04	0. 00	95. 91
11. 00	-	-	-	95. 83	27. 20	0. 00	95. 83
11. 05	-	-	-	95. 74	27. 36	0. 00	95. 74
11. 10	-	-	-	95. 66	27. 52	0. 00	95. 66
11. 15	-	-	-	95. 58	27. 68	0. 00	95. 58
11. 20	-	-	-	95. 50	27. 84	0. 00	95. 50
11. 25	-	-	-	95. 42	28. 00	0. 00	95. 42
11. 30	-	-	-	95. 34	28. 16	0. 00	95. 34
11. 35	-	-	-	95. 26	28. 32	0. 00	95. 26
11. 40	-	-	-	95. 18	28. 48	0. 00	95. 18
11. 45	-	-	-	95. 11	28. 64	0. 00	95. 11
11. 50	-	-	-	95. 03	28. 80	0. 00	95. 03
11. 55	-	-	-	94. 96	28. 96	0. 00	94. 96
11. 60	-	-	-	94. 88	29. 12	0. 00	94. 88
11. 65	-	-	-	94. 81	29. 28	0. 00	94. 81
11. 70	-	-	-	94. 74	29. 44	0. 00	94. 74
11. 75	-	-	-	94. 66	29. 60	0. 00	94. 66

				Li quefy. cal			
11. 80	-	-	-	94. 59	29. 76	0. 00	94. 59
11. 85	-	-	-	94. 52	29. 92	0. 00	94. 52
11. 90	-	-	-	94. 45	30. 08	0. 00	94. 45
11. 95	-	-	-	94. 38	30. 24	0. 00	94. 38
12. 00	-	-	-	94. 31	30. 40	0. 00	94. 31
12. 05	-	-	-	94. 25	30. 56	0. 00	94. 25
12. 10	-	-	-	94. 18	30. 72	0. 00	94. 18
12. 15	-	-	-	94. 11	30. 88	0. 00	94. 11
12. 20	-	-	-	94. 05	31. 04	0. 00	94. 05
12. 25	-	-	-	93. 98	31. 20	0. 00	93. 98
12. 30	-	-	-	93. 92	31. 36	0. 00	93. 92
12. 35	-	-	-	93. 85	31. 52	0. 00	93. 85
12. 40	-	-	-	93. 79	31. 68	0. 00	93. 79
12. 45	-	-	-	93. 73	31. 84	0. 00	93. 73
12. 50	-	-	-	93. 66	32. 00	0. 00	93. 66
12. 55	-	-	-	93. 60	32. 16	0. 00	93. 60
12. 60	-	-	-	93. 54	32. 32	0. 00	93. 54
12. 65	-	-	-	93. 48	32. 48	0. 00	93. 48
12. 70	-	-	-	93. 42	32. 64	0. 00	93. 42
12. 75	-	-	-	93. 36	32. 80	0. 00	93. 36
12. 80	-	-	-	93. 31	32. 96	0. 00	93. 31
12. 85	-	-	-	93. 25	33. 12	0. 00	93. 25
12. 90	-	-	-	93. 19	33. 28	0. 00	93. 19
12. 95	-	-	-	93. 13	33. 44	0. 00	93. 13
13. 00	-	-	-	93. 08	33. 60	0. 00	93. 08
13. 05	-	-	-	93. 02	33. 76	0. 00	93. 02
13. 10	-	-	-	92. 97	33. 92	0. 00	92. 97
13. 15	-	-	-	92. 91	34. 08	0. 00	92. 91
13. 20	-	-	-	92. 86	34. 24	0. 00	92. 86
13. 25	-	-	-	92. 81	34. 40	0. 00	92. 81
13. 30	-	-	-	92. 75	34. 56	0. 00	92. 75
13. 35	-	-	-	92. 70	34. 72	0. 00	92. 70
13. 40	-	-	-	92. 65	34. 88	0. 00	92. 65
13. 45	-	-	-	92. 59	35. 04	0. 00	92. 59
13. 50	-	-	-	92. 50	35. 20	0. 00	92. 50
13. 55	-	-	-	92. 41	35. 36	0. 00	92. 41
13. 60	-	-	-	92. 32	35. 52	0. 00	92. 32
13. 65	-	-	-	92. 23	35. 68	0. 00	92. 23
13. 70	-	-	-	92. 15	35. 84	0. 00	92. 15
13. 75	-	-	-	92. 06	36. 00	0. 00	92. 06
13. 80	-	-	-	91. 97	36. 16	0. 00	91. 97
13. 85	-	-	-	91. 89	36. 32	0. 00	91. 89
13. 90	-	-	-	91. 80	36. 48	0. 00	91. 80
13. 95	-	-	-	91. 72	36. 64	0. 00	91. 72
14. 00	-	-	-	91. 64	36. 80	0. 00	91. 64
14. 05	-	-	-	91. 55	36. 96	0. 00	91. 55
14. 10	-	-	-	91. 47	37. 12	0. 00	91. 47
14. 15	-	-	-	91. 39	37. 28	0. 00	91. 39
14. 20	-	-	-	91. 30	37. 44	0. 00	91. 30
14. 25	-	-	-	91. 22	37. 60	0. 00	91. 22
14. 30	-	-	-	91. 14	37. 76	0. 00	91. 14
14. 35	-	-	-	91. 06	37. 92	0. 00	91. 06
14. 40	-	-	-	90. 98	38. 08	0. 00	90. 98
14. 45	-	-	-	90. 90	38. 24	0. 00	90. 90
14. 50	-	-	-	90. 82	38. 40	0. 00	90. 82
14. 55	-	-	-	90. 74	38. 56	0. 00	90. 74
14. 60	-	-	-	90. 66	38. 72	0. 00	90. 66
14. 65	-	-	-	90. 58	38. 88	0. 00	90. 58
14. 70	-	-	-	90. 51	39. 04	0. 00	90. 51
14. 75	-	-	-	90. 43	39. 20	0. 00	90. 43
14. 80	-	-	-	100. 00	39. 36	0. 00	100. 00
14. 85	-	-	-	100. 00	39. 52	0. 00	100. 00
14. 90	-	-	-	99. 96	39. 68	0. 00	99. 96

Liquefy. cal

14.95	-	-	-	99.88	39.84	0.00	99.88
15.00	-	-	-	99.80	40.00	0.00	99.80
15.05	-	-	-	99.71	40.16	0.00	99.71
15.10	-	-	-	99.63	40.32	0.00	99.63
15.15	-	-	-	99.55	40.48	0.00	99.55
15.20	-	-	-	99.46	40.64	0.00	99.46
15.25	-	-	-	99.38	40.80	0.00	99.38
15.30	-	-	-	99.30	40.96	0.00	99.30
15.35	-	-	-	99.22	41.12	0.00	99.22
15.40	-	-	-	99.14	41.28	0.00	99.14
15.45	-	-	-	99.06	41.44	0.00	99.06
15.50	-	-	-	98.98	41.60	0.00	98.98
15.55	-	-	-	98.90	41.76	0.00	98.90
15.60	-	-	-	98.82	41.92	0.00	98.82
15.65	-	-	-	98.74	42.08	0.00	98.74
15.70	-	-	-	98.66	42.24	0.00	98.66
15.75	-	-	-	98.59	42.40	0.00	98.59
15.80	-	-	-	98.51	42.56	0.00	98.51
15.85	-	-	-	98.43	42.72	0.00	98.43
15.90	-	-	-	98.36	42.88	0.00	98.36
15.95	-	-	-	98.28	43.04	0.00	98.28
16.00	-	-	-	98.20	43.20	0.00	98.20
16.05	-	-	-	98.13	43.36	0.00	98.13
16.10	-	-	-	98.05	43.52	0.00	98.05
16.15	-	-	-	97.98	43.68	0.00	97.98
16.20	-	-	-	97.91	43.84	0.00	97.91
16.25	-	-	-	97.83	44.00	0.00	97.83
16.30	-	-	-	97.76	44.16	0.00	97.76
16.35	-	-	-	97.68	44.32	0.00	97.68
16.40	-	-	-	97.61	44.48	0.00	97.61
16.45	-	-	-	97.54	44.64	0.00	97.54
16.50	-	-	-	97.47	44.80	0.00	97.47
16.55	-	-	-	97.40	44.96	0.00	97.40
16.60	-	-	-	97.32	45.12	0.00	97.32
16.65	-	-	-	97.25	45.28	0.00	97.25
16.70	-	-	-	97.18	45.44	0.00	97.18
16.75	-	-	-	97.11	45.60	0.00	97.11
16.80	-	-	-	97.04	45.76	0.00	97.04
16.85	-	-	-	96.97	45.92	0.00	96.97
16.90	-	-	-	96.90	46.08	0.00	96.90
16.95	-	-	-	96.84	46.24	0.00	96.84
17.00	-	-	-	96.77	46.40	0.00	96.77
17.05	-	-	-	96.70	46.56	0.00	96.70
17.10	-	-	-	96.63	46.72	0.00	96.63
17.15	-	-	-	96.56	46.88	0.00	96.56
17.20	-	-	-	96.50	47.04	0.00	96.50
17.25	-	-	-	96.43	47.20	0.00	96.43
17.30	-	-	-	96.36	47.36	0.00	96.36
17.35	-	-	-	96.30	47.52	0.00	96.30
17.40	-	-	-	96.23	47.68	0.00	96.23
17.45	-	-	-	96.16	47.84	0.00	96.16
17.50	-	-	-	96.10	48.00	0.00	96.10
17.55	-	-	-	96.03	48.16	0.00	96.03
17.60	-	-	-	95.97	48.32	0.00	95.97
17.65	-	-	-	95.91	48.48	0.00	95.91
17.70	-	-	-	95.84	48.64	0.00	95.84
17.75	-	-	-	95.78	48.80	0.00	95.78
17.80	-	-	-	95.71	48.96	0.00	95.71
17.85	-	-	-	95.65	49.12	0.00	95.65
17.90	-	-	-	95.59	49.28	0.00	95.59
17.95	-	-	-	95.53	49.44	0.00	95.53
18.00	-	-	-	95.46	49.60	0.00	95.46
18.05	-	-	-	95.40	49.76	0.00	95.40

				Li quefy. cal			
18. 10	-	-	-	95. 34	49. 92	0. 00	95. 34
18. 15	-	-	-	95. 28	50. 08	0. 00	95. 28
18. 20	-	-	-	95. 22	50. 24	0. 00	95. 22
18. 25	-	-	-	95. 16	50. 40	0. 00	95. 16
18. 30	-	-	-	95. 10	50. 56	0. 00	95. 10
18. 35	-	-	-	95. 04	50. 72	0. 00	95. 04
18. 40	-	-	-	94. 98	50. 88	0. 00	94. 98
18. 45	-	-	-	94. 92	51. 04	0. 00	94. 92
18. 50	-	-	-	94. 86	51. 20	0. 00	94. 86
18. 55	-	-	-	94. 80	51. 36	0. 00	94. 80
18. 60	-	-	-	94. 74	51. 52	0. 00	94. 74
18. 65	-	-	-	94. 68	51. 68	0. 00	94. 68
18. 70	-	-	-	94. 62	51. 84	0. 00	94. 62
18. 75	-	-	-	94. 56	52. 00	0. 00	94. 56
18. 80	-	-	-	94. 51	52. 16	0. 00	94. 51
18. 85	-	-	-	94. 45	52. 32	0. 00	94. 45
18. 90	-	-	-	94. 39	52. 48	0. 00	94. 39
18. 95	-	-	-	94. 33	52. 64	0. 00	94. 33
19. 00	-	-	-	94. 28	52. 80	0. 00	94. 28
19. 05	-	-	-	94. 22	52. 96	0. 00	94. 22
19. 10	-	-	-	94. 16	53. 12	0. 00	94. 16
19. 15	-	-	-	94. 11	53. 28	0. 00	94. 11
19. 20	-	-	-	94. 05	53. 44	0. 00	94. 05
19. 25	-	-	-	94. 00	53. 60	0. 00	94. 00
19. 30	-	-	-	93. 94	53. 76	0. 00	93. 94
19. 35	-	-	-	93. 89	53. 92	0. 00	93. 89
19. 40	-	-	-	93. 83	54. 08	0. 00	93. 83
19. 45	-	-	-	93. 78	54. 24	0. 00	93. 78
19. 50	-	-	-	93. 72	54. 40	0. 00	93. 72
19. 55	-	-	-	93. 67	54. 56	0. 00	93. 67
19. 60	-	-	-	93. 61	54. 72	0. 00	93. 61
19. 65	-	-	-	93. 56	54. 88	0. 00	93. 56
19. 70	-	-	-	93. 51	55. 04	0. 00	93. 51
19. 75	-	-	-	93. 45	55. 20	0. 00	93. 45
19. 80	-	-	-	93. 40	55. 36	0. 00	93. 40
19. 85	-	-	-	93. 35	55. 52	0. 00	93. 35
19. 90	-	-	-	93. 30	55. 68	0. 00	93. 30
19. 95	-	-	-	93. 24	55. 84	0. 00	93. 24
20. 00	-	-	-	93. 19	56. 00	0. 00	93. 19
20. 05	-	-	-	93. 04	55. 94	0. 00	93. 04
20. 10	-	-	-	92. 89	55. 87	0. 00	92. 89
20. 15	-	-	-	92. 74	55. 81	0. 00	92. 74
20. 20	-	-	-	92. 59	55. 74	0. 00	92. 59
20. 25	-	-	-	92. 45	55. 68	0. 00	92. 45
20. 30	-	-	-	92. 30	55. 61	0. 00	92. 30
20. 35	-	-	-	92. 15	55. 55	0. 00	92. 15
20. 40	-	-	-	92. 01	55. 48	0. 00	92. 01
20. 45	-	-	-	91. 86	55. 42	0. 00	91. 86
20. 50	-	-	-	91. 71	55. 35	0. 00	91. 71
20. 55	-	-	-	91. 57	55. 29	0. 00	91. 57
20. 60	-	-	-	91. 43	55. 22	0. 00	91. 43
20. 65	-	-	-	91. 28	55. 16	0. 00	91. 28
20. 70	-	-	-	91. 14	55. 09	0. 00	91. 14
20. 75	-	-	-	91. 00	55. 03	0. 00	91. 00
20. 80	-	-	-	90. 85	54. 96	0. 00	90. 85
20. 85	-	-	-	90. 71	54. 90	0. 00	90. 71
20. 90	-	-	-	90. 57	54. 83	0. 00	90. 57
20. 95	-	-	-	90. 43	54. 77	0. 00	90. 43
21. 00	-	-	-	90. 29	54. 70	0. 00	90. 29
21. 05	-	-	-	90. 15	54. 64	0. 00	90. 15
21. 10	-	-	-	90. 01	54. 57	0. 00	90. 01
21. 15	-	-	-	89. 87	54. 51	0. 00	89. 87
21. 20	-	-	-	89. 74	54. 44	0. 00	89. 74

Liquefy. cal

21. 25	-	-	-	89. 60	54. 38	0. 00	89. 60
21. 30	-	-	-	89. 46	54. 31	0. 00	89. 46
21. 35	-	-	-	89. 33	54. 25	0. 00	89. 33
21. 40	-	-	-	89. 19	54. 18	0. 00	89. 19
21. 45	-	-	-	89. 05	54. 12	0. 00	89. 05
21. 50	-	-	-	88. 92	54. 05	0. 00	88. 92
21. 55	-	-	-	88. 78	53. 99	0. 00	88. 78
21. 60	-	-	-	88. 65	53. 92	0. 00	88. 65
21. 65	-	-	-	88. 52	53. 86	0. 00	88. 52
21. 70	-	-	-	88. 38	53. 79	0. 00	88. 38
21. 75	-	-	-	88. 25	53. 73	0. 00	88. 25
21. 80	-	-	-	88. 12	53. 66	0. 00	88. 12
21. 85	-	-	-	87. 99	53. 60	0. 00	87. 99
21. 90	-	-	-	87. 85	53. 53	0. 00	87. 85
21. 95	-	-	-	87. 72	53. 47	0. 00	87. 72
22. 00	-	-	-	87. 59	53. 40	0. 00	87. 59
22. 05	-	-	-	87. 46	53. 34	0. 00	87. 46
22. 10	-	-	-	87. 33	53. 27	0. 00	87. 33
22. 15	-	-	-	87. 20	53. 21	0. 00	87. 20
22. 20	-	-	-	87. 08	53. 14	0. 00	87. 08
22. 25	-	-	-	86. 95	53. 08	0. 00	86. 95
22. 30	-	-	-	86. 82	53. 01	0. 00	86. 82
22. 35	-	-	-	86. 69	52. 95	0. 00	86. 69
22. 40	-	-	-	86. 57	52. 88	0. 00	86. 57
22. 45	-	-	-	86. 44	52. 82	0. 00	86. 44
22. 50	-	-	-	86. 31	52. 75	0. 00	86. 31
22. 55	-	-	-	86. 19	52. 69	0. 00	86. 19
22. 60	-	-	-	86. 06	52. 62	0. 00	86. 06
22. 65	-	-	-	85. 94	52. 56	0. 00	85. 94
22. 70	-	-	-	85. 81	52. 49	0. 00	85. 81
22. 75	-	-	-	85. 69	52. 43	0. 00	85. 69
22. 80	-	-	-	85. 56	52. 36	0. 00	85. 56
22. 85	-	-	-	85. 44	52. 30	0. 00	85. 44
22. 90	-	-	-	85. 32	52. 23	0. 00	85. 32
22. 95	-	-	-	85. 20	52. 17	0. 00	85. 20
23. 00	-	-	-	85. 07	52. 10	0. 00	85. 07
23. 05	-	-	-	84. 95	52. 04	0. 00	84. 95
23. 10	-	-	-	84. 83	51. 97	0. 00	84. 83
23. 15	-	-	-	84. 71	51. 91	0. 00	84. 71
23. 20	-	-	-	84. 59	51. 84	0. 00	84. 59
23. 25	-	-	-	84. 47	51. 78	0. 00	84. 47
23. 30	-	-	-	84. 35	51. 71	0. 00	84. 35
23. 35	-	-	-	84. 23	51. 65	0. 00	84. 23
23. 40	-	-	-	84. 11	51. 58	0. 00	84. 11
23. 45	-	-	-	83. 99	51. 52	0. 00	83. 99
23. 50	-	-	-	83. 87	51. 45	0. 00	83. 87
23. 55	-	-	-	83. 76	51. 39	0. 00	83. 76
23. 60	-	-	-	83. 64	51. 32	0. 00	83. 64
23. 65	-	-	-	83. 52	51. 26	0. 00	83. 52
23. 70	-	-	-	83. 41	51. 19	0. 00	83. 41
23. 75	-	-	-	83. 29	51. 13	0. 00	83. 29
23. 80	-	-	-	83. 17	51. 06	0. 00	83. 17
23. 85	-	-	-	83. 06	51. 00	0. 00	83. 06
23. 90	-	-	-	82. 94	50. 93	0. 00	82. 94
23. 95	-	-	-	82. 83	50. 87	0. 00	82. 83
24. 00	-	-	-	82. 71	50. 80	0. 00	82. 71
24. 05	-	-	-	82. 60	50. 74	0. 00	82. 60
24. 10	-	-	-	82. 48	50. 67	0. 00	82. 48
24. 15	-	-	-	82. 37	50. 61	0. 00	82. 37
24. 20	-	-	-	82. 26	50. 54	0. 00	82. 26
24. 25	-	-	-	82. 14	50. 48	0. 00	82. 14
24. 30	-	-	-	82. 03	50. 41	0. 00	82. 03
24. 35	-	-	-	81. 92	50. 35	0. 00	81. 92

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24. 40	-	-	-	81. 81	50. 28	0. 00	81. 81
24. 45	-	-	-	81. 70	50. 22	0. 00	81. 70
24. 50	-	-	-	81. 59	50. 15	0. 00	81. 59
24. 55	-	-	-	81. 47	50. 09	0. 00	81. 47
24. 60	-	-	-	81. 36	50. 02	0. 00	81. 36
24. 65	-	-	-	81. 25	49. 96	0. 00	81. 25
24. 70	-	-	-	81. 14	49. 89	0. 00	81. 14
24. 75	-	-	-	81. 03	49. 83	0. 00	81. 03
24. 80	-	-	-	80. 93	49. 76	0. 00	80. 93
24. 85	-	-	-	80. 82	49. 70	0. 00	80. 82
24. 90	-	-	-	80. 71	49. 63	0. 00	80. 71
24. 95	-	-	-	80. 60	49. 57	0. 00	80. 60
25. 00	-	-	-	80. 49	49. 50	0. 00	80. 49
25. 05	-	-	-	80. 38	49. 44	0. 00	80. 38
25. 10	-	-	-	80. 28	49. 37	0. 00	80. 28
25. 15	-	-	-	80. 17	49. 31	0. 00	80. 17
25. 20	-	-	-	80. 06	49. 24	0. 00	80. 06
25. 25	-	-	-	79. 96	49. 18	0. 00	79. 96
25. 30	-	-	-	79. 85	49. 11	0. 00	79. 85
25. 35	-	-	-	79. 74	49. 05	0. 00	79. 74
25. 40	-	-	-	79. 64	48. 98	0. 00	79. 64
25. 45	-	-	-	79. 53	48. 92	0. 00	79. 53
25. 50	-	-	-	79. 43	48. 85	0. 00	79. 43
25. 55	-	-	-	79. 33	48. 79	0. 00	79. 33
25. 60	-	-	-	79. 22	48. 72	0. 00	79. 22
25. 65	-	-	-	79. 12	48. 66	0. 00	79. 12
25. 70	-	-	-	79. 01	48. 59	0. 00	79. 01
25. 75	-	-	-	78. 91	48. 53	0. 00	78. 91
25. 80	-	-	-	78. 81	48. 46	0. 00	78. 81
25. 85	-	-	-	78. 70	48. 40	0. 00	78. 70
25. 90	-	-	-	78. 60	48. 33	0. 00	78. 60
25. 95	-	-	-	78. 50	48. 27	0. 00	78. 50
26. 00	-	-	-	78. 40	48. 20	0. 00	78. 40
26. 05	-	-	-	78. 30	48. 14	0. 00	78. 30
26. 10	-	-	-	78. 19	48. 07	0. 00	78. 19
26. 15	-	-	-	78. 09	48. 01	0. 00	78. 09
26. 20	-	-	-	77. 99	47. 94	0. 00	77. 99
26. 25	-	-	-	77. 89	47. 88	0. 00	77. 89
26. 30	-	-	-	77. 79	47. 81	0. 00	77. 79
26. 35	-	-	-	77. 69	47. 75	0. 00	77. 69
26. 40	-	-	-	77. 59	47. 68	0. 00	77. 59
26. 45	-	-	-	77. 49	47. 62	0. 00	77. 49
26. 50	-	-	-	77. 39	47. 55	0. 00	77. 39
26. 55	-	-	-	77. 30	47. 49	0. 00	77. 30
26. 60	-	-	-	77. 20	47. 42	0. 00	77. 20
26. 65	-	-	-	77. 10	47. 36	0. 00	77. 10
26. 70	-	-	-	77. 00	47. 29	0. 00	77. 00
26. 75	-	-	-	76. 90	47. 23	0. 00	76. 90
26. 80	-	-	-	76. 81	47. 16	0. 00	76. 81
26. 85	-	-	-	76. 71	47. 10	0. 00	76. 71
26. 90	-	-	-	76. 61	47. 03	0. 00	76. 61
26. 95	-	-	-	76. 51	46. 97	0. 00	76. 51
27. 00	-	-	-	76. 42	46. 90	0. 00	76. 42
27. 05	-	-	-	76. 32	46. 84	0. 00	76. 32
27. 10	-	-	-	76. 23	46. 77	0. 00	76. 23
27. 15	-	-	-	76. 13	46. 71	0. 00	76. 13
27. 20	-	-	-	76. 03	46. 64	0. 00	76. 03
27. 25	-	-	-	75. 94	46. 58	0. 00	75. 94
27. 30	-	-	-	75. 84	46. 51	0. 00	75. 84
27. 35	-	-	-	75. 75	46. 45	0. 00	75. 75
27. 40	-	-	-	75. 66	46. 38	0. 00	75. 66
27. 45	-	-	-	75. 56	46. 32	0. 00	75. 56
27. 50	-	-	-	75. 47	46. 25	0. 00	75. 47

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27.55	-	-	-	75.37	46.19	0.00	75.37
27.60	-	-	-	75.28	46.12	0.00	75.28
27.65	-	-	-	75.19	46.06	0.00	75.19
27.70	-	-	-	75.09	45.99	0.00	75.09
27.75	-	-	-	75.00	45.93	0.00	75.00
27.80	-	-	-	74.91	45.86	0.00	74.91
27.85	-	-	-	74.82	45.80	0.00	74.82
27.90	-	-	-	78.28	45.73	0.00	78.28
27.95	-	-	-	78.18	45.67	0.00	78.18
28.00	-	-	-	78.09	45.60	0.00	78.09
28.05	-	-	-	77.99	45.54	0.00	77.99
28.10	-	-	-	77.89	45.47	0.00	77.89
28.15	-	-	-	77.80	45.41	0.00	77.80
28.20	-	-	-	77.70	45.34	0.00	77.70
28.25	-	-	-	77.61	45.28	0.00	77.61
28.30	-	-	-	77.51	45.21	0.00	77.51
28.35	-	-	-	77.42	45.15	0.00	77.42
28.40	-	-	-	77.32	45.08	0.00	77.32
28.45	-	-	-	77.23	45.02	0.00	77.23
28.50	-	-	-	77.13	44.95	0.00	77.13
28.55	-	-	-	77.04	44.89	0.00	77.04
28.60	-	-	-	76.95	44.82	0.00	76.95
28.65	-	-	-	76.85	44.76	0.00	76.85
28.70	-	-	-	76.76	44.69	0.00	76.76
28.75	-	-	-	76.67	44.63	0.00	76.67
28.80	-	-	-	76.58	44.56	0.00	76.58
28.85	-	-	-	76.48	44.50	0.00	76.48
28.90	-	-	-	76.39	44.43	0.00	76.39
28.95	-	-	-	76.30	44.37	0.00	76.30
29.00	-	-	-	76.21	44.30	0.00	76.21
29.05	-	-	-	76.12	44.24	0.00	76.12
29.10	-	-	-	76.03	44.17	0.00	76.03
29.15	-	-	-	75.93	44.11	0.00	75.93
29.20	-	-	-	75.84	44.04	0.00	75.84
29.25	-	-	-	75.75	43.98	0.00	75.75
29.30	-	-	-	75.66	43.91	0.00	75.66
29.35	-	-	-	75.57	43.85	0.00	75.57
29.40	-	-	-	75.48	43.78	0.00	75.48
29.45	-	-	-	75.39	43.72	0.00	75.39
29.50	-	-	-	75.30	43.65	0.00	75.30
29.55	-	-	-	75.21	43.59	0.00	75.21
29.60	-	-	-	75.13	43.52	0.00	75.13
29.65	-	-	-	75.04	43.46	0.00	75.04
29.70	-	-	-	74.95	43.39	0.00	74.95
29.75	-	-	-	74.86	43.33	0.00	74.86
29.80	-	-	-	74.77	43.26	0.00	74.77
29.85	-	-	-	74.68	43.20	0.00	74.68
29.90	-	-	-	74.60	43.13	0.00	74.60
29.95	-	-	-	74.51	43.07	0.00	74.51
30.00	-	-	-	74.42	43.00	0.00	74.42

(N1)60s has been fines corrected in liquefaction analysis, therefore
 $d(N1)60=0$.
 Fines=NoLi q means the soils are not liquefiable.

Settlement of Saturated Sands:										
Settlement Analysis Method: Tokimatsu, M-correction										
dsp	Depth	CSRsf	/ MSF*	=CSRm	F. S.	Fines	(N1)60s	Dr	ec	dsz
	S					%		%	%	in.
in.	ft									

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No Settlement of Saturated Sands

Settlement of Saturated Sands=0.000 in.
 qc1 and (N1)60 is after fines correction in Liquefaction analysis
 dsz is per each segment, dz=0.05 ft
 dsp is per each print interval, dp=0.05 ft
 S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

ec	Depth dsz ft in.	sigma' dsp atm in.	sigC' S atm in.	(N1)60s	CSRsf	Gmax atm	g*Ge/Gm	g_eff	ec7.5 %	Cec
	29.95	1.83	1.19	74.51	0.44	2051.01	3.9E-4	0.1083	0.0343	0.81
0.0276	3.31E-4	0.000	0.000							
	29.90	1.83	1.19	74.60	0.44	2050.07	3.9E-4	0.1080	0.0342	0.81
0.0275	3.30E-4	0.000	0.001							
	29.85	1.83	1.19	74.68	0.44	2049.14	3.9E-4	0.1077	0.0341	0.81
0.0274	3.29E-4	0.000	0.001							
	29.80	1.82	1.19	74.77	0.44	2048.20	3.9E-4	0.1074	0.0340	0.81
0.0274	3.28E-4	0.000	0.001							
	29.75	1.82	1.18	74.86	0.44	2047.27	3.9E-4	0.1071	0.0339	0.81
0.0273	3.27E-4	0.000	0.002							
	29.70	1.82	1.18	74.95	0.44	2046.33	3.9E-4	0.1068	0.0338	0.81
0.0272	3.27E-4	0.000	0.002							
	29.65	1.81	1.18	75.04	0.44	2045.39	3.9E-4	0.1065	0.0337	0.81
0.0271	3.26E-4	0.000	0.002							
	29.60	1.81	1.18	75.13	0.44	2044.44	3.9E-4	0.1062	0.0336	0.81
0.0271	3.25E-4	0.000	0.003							
	29.55	1.81	1.18	75.21	0.44	2043.50	3.9E-4	0.1058	0.0335	0.81
0.0270	3.24E-4	0.000	0.003							
	29.50	1.80	1.17	75.30	0.44	2042.55	3.9E-4	0.1055	0.0334	0.81
0.0269	3.23E-4	0.000	0.003							
	29.45	1.80	1.17	75.39	0.44	2041.60	3.9E-4	0.1052	0.0333	0.81
0.0268	3.22E-4	0.000	0.004							
	29.40	1.80	1.17	75.48	0.44	2040.65	3.9E-4	0.1049	0.0332	0.81
0.0267	3.21E-4	0.000	0.004							
	29.35	1.80	1.17	75.57	0.44	2039.70	3.9E-4	0.1046	0.0331	0.81
0.0267	3.20E-4	0.000	0.004							
	29.30	1.79	1.17	75.66	0.44	2038.74	3.9E-4	0.1043	0.0330	0.81
0.0266	3.19E-4	0.000	0.005							
	29.25	1.79	1.16	75.75	0.44	2037.79	3.9E-4	0.1040	0.0329	0.81
0.0265	3.18E-4	0.000	0.005							
	29.20	1.79	1.16	75.84	0.44	2036.83	3.9E-4	0.1037	0.0328	0.81
0.0264	3.17E-4	0.000	0.005							
	29.15	1.78	1.16	75.93	0.44	2035.87	3.9E-4	0.1034	0.0327	0.81
0.0264	3.16E-4	0.000	0.006							
	29.10	1.78	1.16	76.03	0.44	2034.90	3.9E-4	0.1031	0.0326	0.81
0.0263	3.15E-4	0.000	0.006							
	29.05	1.78	1.15	76.12	0.44	2033.94	3.9E-4	0.1028	0.0325	0.81
0.0262	3.14E-4	0.000	0.006							
	29.00	1.77	1.15	76.21	0.44	2032.97	3.9E-4	0.1025	0.0324	0.81
0.0261	3.14E-4	0.000	0.006							
	28.95	1.77	1.15	76.30	0.44	2032.00	3.9E-4	0.1022	0.0323	0.81
0.0261	3.13E-4	0.000	0.007							
	28.90	1.77	1.15	76.39	0.44	2031.03	3.8E-4	0.1019	0.0322	0.81

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0. 0260	3. 12E-4	0. 000	0. 007								
	28. 85	1. 76	1. 15	76. 48	0. 44	2030. 06	3. 8E-4	0. 1016	0. 0321	0. 81	
0. 0259	3. 11E-4	0. 000	0. 007								
	28. 80	1. 76	1. 14	76. 58	0. 44	2029. 09	3. 8E-4	0. 1013	0. 0320	0. 81	
0. 0258	3. 10E-4	0. 000	0. 008								
	28. 75	1. 76	1. 14	76. 67	0. 44	2028. 11	3. 8E-4	0. 1010	0. 0320	0. 81	
0. 0258	3. 09E-4	0. 000	0. 008								
	28. 70	1. 76	1. 14	76. 76	0. 44	2027. 13	3. 8E-4	0. 1007	0. 0319	0. 81	
0. 0257	3. 08E-4	0. 000	0. 008								
	28. 65	1. 75	1. 14	76. 85	0. 44	2026. 15	3. 8E-4	0. 1005	0. 0318	0. 81	
0. 0256	3. 07E-4	0. 000	0. 009								
	28. 60	1. 75	1. 14	76. 95	0. 44	2025. 17	3. 8E-4	0. 1002	0. 0317	0. 81	
0. 0255	3. 06E-4	0. 000	0. 009								
	28. 55	1. 75	1. 13	77. 04	0. 44	2024. 18	3. 8E-4	0. 0999	0. 0316	0. 81	
0. 0255	3. 05E-4	0. 000	0. 009								
	28. 50	1. 74	1. 13	77. 13	0. 44	2023. 20	3. 8E-4	0. 0996	0. 0315	0. 81	
0. 0254	3. 05E-4	0. 000	0. 010								
	28. 45	1. 74	1. 13	77. 23	0. 44	2022. 21	3. 8E-4	0. 0993	0. 0314	0. 81	
0. 0253	3. 04E-4	0. 000	0. 010								
	28. 40	1. 74	1. 13	77. 32	0. 44	2021. 22	3. 8E-4	0. 0990	0. 0313	0. 81	
0. 0252	3. 03E-4	0. 000	0. 010								
	28. 35	1. 73	1. 13	77. 42	0. 44	2020. 23	3. 8E-4	0. 0987	0. 0312	0. 81	
0. 0252	3. 02E-4	0. 000	0. 010								
	28. 30	1. 73	1. 12	77. 51	0. 44	2019. 23	3. 8E-4	0. 0984	0. 0311	0. 81	
0. 0251	3. 01E-4	0. 000	0. 011								
	28. 25	1. 73	1. 12	77. 61	0. 44	2018. 23	3. 8E-4	0. 0981	0. 0310	0. 81	
0. 0250	3. 00E-4	0. 000	0. 011								
	28. 20	1. 72	1. 12	77. 70	0. 44	2017. 23	3. 8E-4	0. 0978	0. 0309	0. 81	
0. 0249	2. 99E-4	0. 000	0. 011								
	28. 15	1. 72	1. 12	77. 80	0. 44	2016. 23	3. 8E-4	0. 0975	0. 0308	0. 81	
0. 0249	2. 98E-4	0. 000	0. 012								
	28. 10	1. 72	1. 12	77. 89	0. 44	2015. 23	3. 8E-4	0. 0973	0. 0308	0. 81	
0. 0248	2. 97E-4	0. 000	0. 012								
	28. 05	1. 71	1. 11	77. 99	0. 44	2014. 23	3. 8E-4	0. 0970	0. 0307	0. 81	
0. 0247	2. 97E-4	0. 000	0. 012								
	28. 00	1. 71	1. 11	78. 09	0. 44	2013. 22	3. 8E-4	0. 0967	0. 0306	0. 81	
0. 0246	2. 96E-4	0. 000	0. 013								
	27. 95	1. 71	1. 11	78. 18	0. 44	2012. 21	3. 8E-4	0. 0964	0. 0305	0. 81	
0. 0246	2. 95E-4	0. 000	0. 013								
	27. 90	1. 71	1. 11	78. 28	0. 44	2011. 20	3. 8E-4	0. 0961	0. 0304	0. 81	
0. 0245	2. 94E-4	0. 000	0. 013								
	27. 85	1. 70	1. 11	74. 82	0. 44	1979. 32	3. 8E-4	0. 0996	0. 0315	0. 81	
0. 0254	3. 05E-4	0. 000	0. 013								
	27. 80	1. 70	1. 10	74. 91	0. 44	1978. 31	3. 8E-4	0. 0993	0. 0314	0. 81	
0. 0253	3. 04E-4	0. 000	0. 014								
	27. 75	1. 70	1. 10	75. 00	0. 44	1977. 31	3. 8E-4	0. 0990	0. 0313	0. 81	
0. 0252	3. 03E-4	0. 000	0. 014								
	27. 70	1. 69	1. 10	75. 09	0. 44	1976. 30	3. 8E-4	0. 0987	0. 0312	0. 81	
0. 0252	3. 02E-4	0. 000	0. 014								
	27. 65	1. 69	1. 10	75. 19	0. 44	1975. 29	3. 8E-4	0. 0984	0. 0311	0. 81	
0. 0251	3. 01E-4	0. 000	0. 015								
	27. 60	1. 69	1. 10	75. 28	0. 44	1974. 28	3. 8E-4	0. 0981	0. 0310	0. 81	
0. 0250	3. 00E-4	0. 000	0. 015								
	27. 55	1. 68	1. 09	75. 37	0. 44	1973. 26	3. 8E-4	0. 0978	0. 0309	0. 81	
0. 0249	2. 99E-4	0. 000	0. 015								
	27. 50	1. 68	1. 09	75. 47	0. 44	1972. 25	3. 8E-4	0. 0975	0. 0308	0. 81	
0. 0248	2. 98E-4	0. 000	0. 016								
	27. 45	1. 68	1. 09	75. 56	0. 44	1971. 23	3. 8E-4	0. 0972	0. 0307	0. 81	
0. 0248	2. 97E-4	0. 000	0. 016								
	27. 40	1. 67	1. 09	75. 66	0. 44	1970. 21	3. 8E-4	0. 0969	0. 0306	0. 81	
0. 0247	2. 96E-4	0. 000	0. 016								
	27. 35	1. 67	1. 09	75. 75	0. 44	1969. 18	3. 8E-4	0. 0966	0. 0306	0. 81	
0. 0246	2. 95E-4	0. 000	0. 016								

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	27. 30	1. 67	1. 08	75. 84	0. 44	1968. 16	3. 8E-4	0. 0963	0. 0305	0. 81
0. 0245	2. 95E-4	0. 000	0. 017							
	27. 25	1. 66	1. 08	75. 94	0. 44	1967. 13	3. 8E-4	0. 0960	0. 0304	0. 81
0. 0245	2. 94E-4	0. 000	0. 017							
	27. 20	1. 66	1. 08	76. 03	0. 44	1966. 10	3. 8E-4	0. 0957	0. 0303	0. 81
0. 0244	2. 93E-4	0. 000	0. 017							
	27. 15	1. 66	1. 08	76. 13	0. 44	1965. 07	3. 7E-4	0. 0954	0. 0302	0. 81
0. 0243	2. 92E-4	0. 000	0. 018							
	27. 10	1. 66	1. 08	76. 23	0. 44	1964. 04	3. 7E-4	0. 0952	0. 0301	0. 81
0. 0243	2. 91E-4	0. 000	0. 018							
	27. 05	1. 65	1. 07	76. 32	0. 44	1963. 00	3. 7E-4	0. 0949	0. 0300	0. 81
0. 0242	2. 90E-4	0. 000	0. 018							
	27. 00	1. 65	1. 07	76. 42	0. 44	1961. 97	3. 7E-4	0. 0946	0. 0299	0. 81
0. 0241	2. 89E-4	0. 000	0. 018							
	26. 95	1. 65	1. 07	76. 51	0. 44	1960. 93	3. 7E-4	0. 0943	0. 0298	0. 81
0. 0240	2. 88E-4	0. 000	0. 019							
	26. 90	1. 64	1. 07	76. 61	0. 44	1959. 88	3. 7E-4	0. 0940	0. 0297	0. 81
0. 0240	2. 87E-4	0. 000	0. 019							
	26. 85	1. 64	1. 07	76. 71	0. 44	1958. 84	3. 7E-4	0. 0937	0. 0296	0. 81
0. 0239	2. 87E-4	0. 000	0. 019							
	26. 80	1. 64	1. 06	76. 81	0. 44	1957. 79	3. 7E-4	0. 0934	0. 0295	0. 81
0. 0238	2. 86E-4	0. 000	0. 020							
	26. 75	1. 63	1. 06	76. 90	0. 44	1956. 74	3. 7E-4	0. 0931	0. 0295	0. 81
0. 0237	2. 85E-4	0. 000	0. 020							
	26. 70	1. 63	1. 06	77. 00	0. 44	1955. 69	3. 7E-4	0. 0929	0. 0294	0. 81
0. 0237	2. 84E-4	0. 000	0. 020							
	26. 65	1. 63	1. 06	77. 10	0. 44	1954. 64	3. 7E-4	0. 0926	0. 0293	0. 81
0. 0236	2. 83E-4	0. 000	0. 020							
	26. 60	1. 62	1. 06	77. 20	0. 44	1953. 58	3. 7E-4	0. 0923	0. 0292	0. 81
0. 0235	2. 82E-4	0. 000	0. 021							
	26. 55	1. 62	1. 05	77. 30	0. 44	1952. 53	3. 7E-4	0. 0920	0. 0291	0. 81
0. 0234	2. 81E-4	0. 000	0. 021							
	26. 50	1. 62	1. 05	77. 39	0. 44	1951. 47	3. 7E-4	0. 0917	0. 0290	0. 81
0. 0234	2. 81E-4	0. 000	0. 021							
	26. 45	1. 61	1. 05	77. 49	0. 44	1950. 40	3. 7E-4	0. 0914	0. 0289	0. 81
0. 0233	2. 80E-4	0. 000	0. 022							
	26. 40	1. 61	1. 05	77. 59	0. 45	1949. 34	3. 7E-4	0. 0912	0. 0288	0. 81
0. 0232	2. 79E-4	0. 000	0. 022							
	26. 35	1. 61	1. 05	77. 69	0. 45	1948. 27	3. 7E-4	0. 0909	0. 0287	0. 81
0. 0232	2. 78E-4	0. 000	0. 022							
	26. 30	1. 61	1. 04	77. 79	0. 45	1947. 21	3. 7E-4	0. 0906	0. 0286	0. 81
0. 0231	2. 77E-4	0. 000	0. 022							
	26. 25	1. 60	1. 04	77. 89	0. 45	1946. 13	3. 7E-4	0. 0903	0. 0286	0. 81
0. 0230	2. 76E-4	0. 000	0. 023							
	26. 20	1. 60	1. 04	77. 99	0. 45	1945. 06	3. 7E-4	0. 0900	0. 0285	0. 81
0. 0229	2. 75E-4	0. 000	0. 023							
	26. 15	1. 60	1. 04	78. 09	0. 45	1943. 99	3. 7E-4	0. 0898	0. 0284	0. 81
0. 0229	2. 75E-4	0. 000	0. 023							
	26. 10	1. 59	1. 04	78. 19	0. 45	1942. 91	3. 7E-4	0. 0895	0. 0283	0. 81
0. 0228	2. 74E-4	0. 000	0. 024							
	26. 05	1. 59	1. 03	78. 30	0. 45	1941. 83	3. 6E-4	0. 0892	0. 0282	0. 81
0. 0227	2. 73E-4	0. 000	0. 024							
	26. 00	1. 59	1. 03	78. 40	0. 45	1940. 74	3. 6E-4	0. 0889	0. 0281	0. 81
0. 0227	2. 72E-4	0. 000	0. 024							
	25. 95	1. 58	1. 03	78. 50	0. 45	1939. 66	3. 6E-4	0. 0886	0. 0280	0. 81
0. 0226	2. 71E-4	0. 000	0. 024							
	25. 90	1. 58	1. 03	78. 60	0. 45	1938. 57	3. 6E-4	0. 0884	0. 0279	0. 81
0. 0225	2. 70E-4	0. 000	0. 025							
	25. 85	1. 58	1. 02	78. 70	0. 45	1937. 48	3. 6E-4	0. 0881	0. 0279	0. 81
0. 0225	2. 69E-4	0. 000	0. 025							
	25. 80	1. 57	1. 02	78. 81	0. 45	1936. 39	3. 6E-4	0. 0878	0. 0278	0. 81
0. 0224	2. 69E-4	0. 000	0. 025							
	25. 75	1. 57	1. 02	78. 91	0. 45	1935. 30	3. 6E-4	0. 0875	0. 0277	0. 81

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0. 0223	2. 68E-4	0. 000	0. 025								
	25. 70	1. 57	1. 02	79. 01	0. 45	1934. 20	3. 6E-4	0. 0873	0. 0276	0. 81	
0. 0222	2. 67E-4	0. 000	0. 026								
	25. 65	1. 56	1. 02	79. 12	0. 45	1933. 10	3. 6E-4	0. 0870	0. 0275	0. 81	
0. 0222	2. 66E-4	0. 000	0. 026								
	25. 60	1. 56	1. 01	79. 22	0. 45	1932. 00	3. 6E-4	0. 0867	0. 0274	0. 81	
0. 0221	2. 65E-4	0. 000	0. 026								
	25. 55	1. 56	1. 01	79. 33	0. 45	1930. 90	3. 6E-4	0. 0865	0. 0273	0. 81	
0. 0220	2. 64E-4	0. 000	0. 026								
	25. 50	1. 55	1. 01	79. 43	0. 45	1929. 79	3. 6E-4	0. 0862	0. 0273	0. 81	
0. 0220	2. 64E-4	0. 000	0. 027								
	25. 45	1. 55	1. 01	79. 53	0. 45	1928. 68	3. 6E-4	0. 0859	0. 0272	0. 81	
0. 0219	2. 63E-4	0. 000	0. 027								
	25. 40	1. 55	1. 01	79. 64	0. 45	1927. 57	3. 6E-4	0. 0856	0. 0271	0. 81	
0. 0218	2. 62E-4	0. 000	0. 027								
	25. 35	1. 55	1. 00	79. 74	0. 45	1926. 46	3. 6E-4	0. 0854	0. 0270	0. 81	
0. 0218	2. 61E-4	0. 000	0. 028								
	25. 30	1. 54	1. 00	79. 85	0. 45	1925. 34	3. 6E-4	0. 0851	0. 0269	0. 81	
0. 0217	2. 60E-4	0. 000	0. 028								
	25. 25	1. 54	1. 00	79. 96	0. 45	1924. 23	3. 6E-4	0. 0848	0. 0268	0. 81	
0. 0216	2. 59E-4	0. 000	0. 028								
	25. 20	1. 54	1. 00	80. 06	0. 45	1923. 11	3. 6E-4	0. 0846	0. 0267	0. 81	
0. 0216	2. 59E-4	0. 000	0. 028								
	25. 15	1. 53	1. 00	80. 17	0. 45	1921. 98	3. 6E-4	0. 0843	0. 0267	0. 81	
0. 0215	2. 58E-4	0. 000	0. 029								
	25. 10	1. 53	0. 99	80. 28	0. 45	1920. 86	3. 6E-4	0. 0840	0. 0266	0. 81	
0. 0214	2. 57E-4	0. 000	0. 029								
	25. 05	1. 53	0. 99	80. 38	0. 45	1919. 73	3. 6E-4	0. 0838	0. 0265	0. 81	
0. 0214	2. 56E-4	0. 000	0. 029								
	25. 00	1. 52	0. 99	80. 49	0. 45	1918. 60	3. 5E-4	0. 0835	0. 0264	0. 81	
0. 0213	2. 55E-4	0. 000	0. 029								
	24. 95	1. 52	0. 99	80. 60	0. 45	1917. 47	3. 5E-4	0. 0832	0. 0263	0. 81	
0. 0212	2. 55E-4	0. 000	0. 030								
	24. 90	1. 52	0. 99	80. 71	0. 45	1916. 33	3. 5E-4	0. 0830	0. 0262	0. 81	
0. 0211	2. 54E-4	0. 000	0. 030								
	24. 85	1. 51	0. 98	80. 82	0. 45	1915. 20	3. 5E-4	0. 0827	0. 0262	0. 81	
0. 0211	2. 53E-4	0. 000	0. 030								
	24. 80	1. 51	0. 98	80. 93	0. 45	1914. 06	3. 5E-4	0. 0825	0. 0261	0. 81	
0. 0210	2. 52E-4	0. 000	0. 030								
	24. 75	1. 51	0. 98	81. 03	0. 45	1912. 91	3. 5E-4	0. 0822	0. 0260	0. 81	
0. 0209	2. 51E-4	0. 000	0. 031								
	24. 70	1. 50	0. 98	81. 14	0. 45	1911. 77	3. 5E-4	0. 0819	0. 0259	0. 81	
0. 0209	2. 51E-4	0. 000	0. 031								
	24. 65	1. 50	0. 98	81. 25	0. 45	1910. 62	3. 5E-4	0. 0817	0. 0258	0. 81	
0. 0208	2. 50E-4	0. 000	0. 031								
	24. 60	1. 50	0. 97	81. 36	0. 45	1909. 47	3. 5E-4	0. 0814	0. 0257	0. 81	
0. 0207	2. 49E-4	0. 000	0. 031								
	24. 55	1. 49	0. 97	81. 47	0. 45	1908. 32	3. 5E-4	0. 0811	0. 0257	0. 81	
0. 0207	2. 48E-4	0. 000	0. 032								
	24. 50	1. 49	0. 97	81. 59	0. 45	1907. 16	3. 5E-4	0. 0809	0. 0256	0. 81	
0. 0206	2. 47E-4	0. 000	0. 032								
	24. 45	1. 49	0. 97	81. 70	0. 45	1906. 01	3. 5E-4	0. 0806	0. 0255	0. 81	
0. 0205	2. 47E-4	0. 000	0. 032								
	24. 40	1. 49	0. 97	81. 81	0. 45	1904. 85	3. 5E-4	0. 0804	0. 0254	0. 81	
0. 0205	2. 46E-4	0. 000	0. 032								
	24. 35	1. 48	0. 96	81. 92	0. 45	1903. 68	3. 5E-4	0. 0801	0. 0253	0. 81	
0. 0204	2. 45E-4	0. 000	0. 033								
	24. 30	1. 48	0. 96	82. 03	0. 45	1902. 52	3. 5E-4	0. 0799	0. 0253	0. 81	
0. 0204	2. 44E-4	0. 000	0. 033								
	24. 25	1. 48	0. 96	82. 14	0. 45	1901. 35	3. 5E-4	0. 0796	0. 0252	0. 81	
0. 0203	2. 43E-4	0. 000	0. 033								
	24. 20	1. 47	0. 96	82. 26	0. 45	1900. 18	3. 5E-4	0. 0793	0. 0251	0. 81	
0. 0202	2. 43E-4	0. 000	0. 033								

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	24. 15	1. 47	0. 96	82. 37	0. 45	1899. 01	3. 5E-4	0. 0791	0. 0250	0. 81
0. 0202	2. 42E-4	0. 000	0. 034							
	24. 10	1. 47	0. 95	82. 48	0. 45	1897. 83	3. 5E-4	0. 0788	0. 0249	0. 81
0. 0201	2. 41E-4	0. 000	0. 034							
	24. 05	1. 46	0. 95	82. 60	0. 45	1896. 65	3. 5E-4	0. 0786	0. 0248	0. 81
0. 0200	2. 40E-4	0. 000	0. 034							
	24. 00	1. 46	0. 95	82. 71	0. 45	1895. 47	3. 4E-4	0. 0783	0. 0248	0. 81
0. 0200	2. 40E-4	0. 000	0. 034							
	23. 95	1. 46	0. 95	82. 83	0. 45	1894. 29	3. 4E-4	0. 0781	0. 0247	0. 81
0. 0199	2. 39E-4	0. 000	0. 035							
	23. 90	1. 45	0. 94	82. 94	0. 45	1893. 10	3. 4E-4	0. 0778	0. 0246	0. 81
0. 0198	2. 38E-4	0. 000	0. 035							
	23. 85	1. 45	0. 94	83. 06	0. 45	1891. 92	3. 4E-4	0. 0776	0. 0245	0. 81
0. 0198	2. 37E-4	0. 000	0. 035							
	23. 80	1. 45	0. 94	83. 17	0. 45	1890. 72	3. 4E-4	0. 0773	0. 0244	0. 81
0. 0197	2. 36E-4	0. 000	0. 035							
	23. 75	1. 44	0. 94	83. 29	0. 45	1889. 53	3. 4E-4	0. 0771	0. 0244	0. 81
0. 0196	2. 36E-4	0. 000	0. 035							
	23. 70	1. 44	0. 94	83. 41	0. 45	1888. 33	3. 4E-4	0. 0768	0. 0243	0. 81
0. 0196	2. 35E-4	0. 000	0. 036							
	23. 65	1. 44	0. 93	83. 52	0. 45	1887. 13	3. 4E-4	0. 0766	0. 0242	0. 81
0. 0195	2. 34E-4	0. 000	0. 036							
	23. 60	1. 43	0. 93	83. 64	0. 45	1885. 93	3. 4E-4	0. 0763	0. 0241	0. 81
0. 0194	2. 33E-4	0. 000	0. 036							
	23. 55	1. 43	0. 93	83. 76	0. 45	1884. 73	3. 4E-4	0. 0761	0. 0241	0. 81
0. 0194	2. 33E-4	0. 000	0. 036							
	23. 50	1. 43	0. 93	83. 87	0. 45	1883. 52	3. 4E-4	0. 0758	0. 0240	0. 81
0. 0193	2. 32E-4	0. 000	0. 037							
	23. 45	1. 43	0. 93	83. 99	0. 45	1882. 31	3. 4E-4	0. 0756	0. 0239	0. 81
0. 0193	2. 31E-4	0. 000	0. 037							
	23. 40	1. 42	0. 92	84. 11	0. 45	1881. 10	3. 4E-4	0. 0753	0. 0238	0. 81
0. 0192	2. 30E-4	0. 000	0. 037							
	23. 35	1. 42	0. 92	84. 23	0. 45	1879. 88	3. 4E-4	0. 0751	0. 0237	0. 81
0. 0191	2. 30E-4	0. 000	0. 037							
	23. 30	1. 42	0. 92	84. 35	0. 45	1878. 66	3. 4E-4	0. 0748	0. 0237	0. 81
0. 0191	2. 29E-4	0. 000	0. 038							
	23. 25	1. 41	0. 92	84. 47	0. 45	1877. 44	3. 4E-4	0. 0746	0. 0236	0. 81
0. 0190	2. 28E-4	0. 000	0. 038							
	23. 20	1. 41	0. 92	84. 59	0. 45	1876. 22	3. 4E-4	0. 0743	0. 0235	0. 81
0. 0189	2. 27E-4	0. 000	0. 038							
	23. 15	1. 41	0. 91	84. 71	0. 45	1874. 99	3. 4E-4	0. 0741	0. 0234	0. 81
0. 0189	2. 27E-4	0. 000	0. 038							
	23. 10	1. 40	0. 91	84. 83	0. 45	1873. 76	3. 4E-4	0. 0738	0. 0234	0. 81
0. 0188	2. 26E-4	0. 000	0. 038							
	23. 05	1. 40	0. 91	84. 95	0. 45	1872. 53	3. 4E-4	0. 0736	0. 0233	0. 81
0. 0188	2. 25E-4	0. 000	0. 039							
	23. 00	1. 40	0. 91	85. 07	0. 45	1871. 30	3. 3E-4	0. 0734	0. 0232	0. 81
0. 0187	2. 24E-4	0. 000	0. 039							
	22. 95	1. 39	0. 91	85. 20	0. 45	1870. 06	3. 3E-4	0. 0731	0. 0231	0. 81
0. 0186	2. 24E-4	0. 000	0. 039							
	22. 90	1. 39	0. 90	85. 32	0. 45	1868. 82	3. 3E-4	0. 0729	0. 0230	0. 81
0. 0186	2. 23E-4	0. 000	0. 039							
	22. 85	1. 39	0. 90	85. 44	0. 45	1867. 57	3. 3E-4	0. 0726	0. 0230	0. 81
0. 0185	2. 22E-4	0. 000	0. 040							
	22. 80	1. 38	0. 90	85. 56	0. 45	1866. 33	3. 3E-4	0. 0724	0. 0229	0. 81
0. 0184	2. 21E-4	0. 000	0. 040							
	22. 75	1. 38	0. 90	85. 69	0. 45	1865. 08	3. 3E-4	0. 0721	0. 0228	0. 81
0. 0184	2. 21E-4	0. 000	0. 040							
	22. 70	1. 38	0. 90	85. 81	0. 45	1863. 83	3. 3E-4	0. 0719	0. 0227	0. 81
0. 0183	2. 20E-4	0. 000	0. 040							
	22. 65	1. 37	0. 89	85. 94	0. 45	1862. 57	3. 3E-4	0. 0717	0. 0227	0. 81
0. 0183	2. 19E-4	0. 000	0. 040							
	22. 60	1. 37	0. 89	86. 06	0. 45	1861. 31	3. 3E-4	0. 0714	0. 0226	0. 81

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0. 0182	2. 18E-4	0. 000	0. 041								
	22. 55	1. 37	0. 89	86. 19	0. 45	1860. 05	3. 3E-4	0. 0712	0. 0225	0. 81	
0. 0181	2. 18E-4	0. 000	0. 041								
	22. 50	1. 36	0. 89	86. 31	0. 45	1858. 79	3. 3E-4	0. 0709	0. 0224	0. 81	
0. 0181	2. 17E-4	0. 000	0. 041								
	22. 45	1. 36	0. 89	86. 44	0. 45	1857. 52	3. 3E-4	0. 0707	0. 0224	0. 81	
0. 0180	2. 16E-4	0. 000	0. 041								
	22. 40	1. 36	0. 88	86. 57	0. 45	1856. 25	3. 3E-4	0. 0705	0. 0223	0. 81	
0. 0180	2. 16E-4	0. 000	0. 042								
	22. 35	1. 36	0. 88	86. 69	0. 45	1854. 98	3. 3E-4	0. 0702	0. 0222	0. 81	
0. 0179	2. 15E-4	0. 000	0. 042								
	22. 30	1. 35	0. 88	86. 82	0. 45	1853. 71	3. 3E-4	0. 0700	0. 0221	0. 81	
0. 0178	2. 14E-4	0. 000	0. 042								
	22. 25	1. 35	0. 88	86. 95	0. 45	1852. 43	3. 3E-4	0. 0698	0. 0221	0. 81	
0. 0178	2. 13E-4	0. 000	0. 042								
	22. 20	1. 35	0. 87	87. 08	0. 45	1851. 15	3. 3E-4	0. 0695	0. 0220	0. 81	
0. 0177	2. 13E-4	0. 000	0. 042								
	22. 15	1. 34	0. 87	87. 20	0. 45	1849. 86	3. 3E-4	0. 0693	0. 0219	0. 81	
0. 0177	2. 12E-4	0. 000	0. 043								
	22. 10	1. 34	0. 87	87. 33	0. 45	1848. 58	3. 3E-4	0. 0691	0. 0218	0. 81	
0. 0176	2. 11E-4	0. 000	0. 043								
	22. 05	1. 34	0. 87	87. 46	0. 45	1847. 29	3. 3E-4	0. 0688	0. 0218	0. 81	
0. 0175	2. 10E-4	0. 000	0. 043								
	22. 00	1. 33	0. 87	87. 59	0. 45	1845. 99	3. 2E-4	0. 0686	0. 0217	0. 81	
0. 0175	2. 10E-4	0. 000	0. 043								
	21. 95	1. 33	0. 86	87. 72	0. 45	1844. 70	3. 2E-4	0. 0684	0. 0216	0. 81	
0. 0174	2. 09E-4	0. 000	0. 043								
	21. 90	1. 33	0. 86	87. 85	0. 45	1843. 40	3. 2E-4	0. 0681	0. 0215	0. 81	
0. 0174	2. 08E-4	0. 000	0. 044								
	21. 85	1. 32	0. 86	87. 99	0. 45	1842. 10	3. 2E-4	0. 0679	0. 0215	0. 81	
0. 0173	2. 08E-4	0. 000	0. 044								
	21. 80	1. 32	0. 86	88. 12	0. 45	1840. 79	3. 2E-4	0. 0677	0. 0214	0. 81	
0. 0172	2. 07E-4	0. 000	0. 044								
	21. 75	1. 32	0. 86	88. 25	0. 45	1839. 48	3. 2E-4	0. 0674	0. 0213	0. 81	
0. 0172	2. 06E-4	0. 000	0. 044								
	21. 70	1. 31	0. 85	88. 38	0. 45	1838. 17	3. 2E-4	0. 0672	0. 0213	0. 81	
0. 0171	2. 06E-4	0. 000	0. 044								
	21. 65	1. 31	0. 85	88. 52	0. 45	1836. 86	3. 2E-4	0. 0670	0. 0212	0. 81	
0. 0171	2. 05E-4	0. 000	0. 045								
	21. 60	1. 31	0. 85	88. 65	0. 45	1835. 54	3. 2E-4	0. 0667	0. 0211	0. 81	
0. 0170	2. 04E-4	0. 000	0. 045								
	21. 55	1. 30	0. 85	88. 78	0. 45	1834. 22	3. 2E-4	0. 0665	0. 0210	0. 81	
0. 0170	2. 03E-4	0. 000	0. 045								
	21. 50	1. 30	0. 85	88. 92	0. 45	1832. 89	3. 2E-4	0. 0663	0. 0210	0. 81	
0. 0169	2. 03E-4	0. 000	0. 045								
	21. 45	1. 30	0. 84	89. 05	0. 45	1831. 57	3. 2E-4	0. 0661	0. 0209	0. 81	
0. 0168	2. 02E-4	0. 000	0. 045								
	21. 40	1. 29	0. 84	89. 19	0. 45	1830. 24	3. 2E-4	0. 0658	0. 0208	0. 81	
0. 0168	2. 01E-4	0. 000	0. 046								
	21. 35	1. 29	0. 84	89. 33	0. 45	1828. 90	3. 2E-4	0. 0656	0. 0207	0. 81	
0. 0167	2. 01E-4	0. 000	0. 046								
	21. 30	1. 29	0. 84	89. 46	0. 45	1827. 57	3. 2E-4	0. 0654	0. 0207	0. 81	
0. 0167	2. 00E-4	0. 000	0. 046								
	21. 25	1. 29	0. 84	89. 60	0. 45	1826. 23	3. 2E-4	0. 0652	0. 0206	0. 81	
0. 0166	1. 99E-4	0. 000	0. 046								
	21. 20	1. 28	0. 83	89. 74	0. 45	1824. 88	3. 2E-4	0. 0649	0. 0205	0. 81	
0. 0165	1. 99E-4	0. 000	0. 046								
	21. 15	1. 28	0. 83	89. 87	0. 45	1823. 54	3. 2E-4	0. 0647	0. 0205	0. 81	
0. 0165	1. 98E-4	0. 000	0. 047								
	21. 10	1. 28	0. 83	90. 01	0. 45	1822. 19	3. 2E-4	0. 0645	0. 0204	0. 81	
0. 0164	1. 97E-4	0. 000	0. 047								
	21. 05	1. 27	0. 83	90. 15	0. 45	1820. 83	3. 2E-4	0. 0643	0. 0203	0. 81	
0. 0164	1. 97E-4	0. 000	0. 047								

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	21.00	1.27	0.82	90.29	0.45	1819.48	3.1E-4	0.0640	0.0202	0.81
0.0163	1.96E-4	0.000	0.047							
	20.95	1.27	0.82	90.43	0.45	1818.12	3.1E-4	0.0638	0.0202	0.81
0.0163	1.95E-4	0.000	0.047							
	20.90	1.26	0.82	90.57	0.45	1816.76	3.1E-4	0.0636	0.0201	0.81
0.0162	1.94E-4	0.000	0.048							
	20.85	1.26	0.82	90.71	0.45	1815.39	3.1E-4	0.0634	0.0200	0.81
0.0162	1.94E-4	0.000	0.048							
	20.80	1.26	0.82	90.85	0.45	1814.02	3.1E-4	0.0631	0.0200	0.81
0.0161	1.93E-4	0.000	0.048							
	20.75	1.25	0.81	91.00	0.45	1812.65	3.1E-4	0.0629	0.0199	0.81
0.0160	1.92E-4	0.000	0.048							
	20.70	1.25	0.81	91.14	0.45	1811.27	3.1E-4	0.0627	0.0198	0.81
0.0160	1.92E-4	0.000	0.048							
	20.65	1.25	0.81	91.28	0.45	1809.89	3.1E-4	0.0625	0.0198	0.81
0.0159	1.91E-4	0.000	0.049							
	20.60	1.24	0.81	91.43	0.45	1808.51	3.1E-4	0.0623	0.0197	0.81
0.0159	1.90E-4	0.000	0.049							
	20.55	1.24	0.81	91.57	0.45	1807.13	3.1E-4	0.0620	0.0196	0.81
0.0158	1.90E-4	0.000	0.049							
	20.50	1.24	0.80	91.71	0.45	1805.74	3.1E-4	0.0618	0.0196	0.81
0.0158	1.89E-4	0.000	0.049							
	20.45	1.23	0.80	91.86	0.45	1804.34	3.1E-4	0.0616	0.0195	0.81
0.0157	1.88E-4	0.000	0.049							
	20.40	1.23	0.80	92.01	0.45	1802.95	3.1E-4	0.0614	0.0194	0.81
0.0156	1.88E-4	0.000	0.050							
	20.35	1.23	0.80	92.15	0.45	1801.55	3.1E-4	0.0612	0.0193	0.81
0.0156	1.87E-4	0.000	0.050							
	20.30	1.22	0.80	92.30	0.45	1800.15	3.1E-4	0.0610	0.0193	0.81
0.0155	1.86E-4	0.000	0.050							
	20.25	1.22	0.79	92.45	0.45	1798.74	3.1E-4	0.0607	0.0192	0.81
0.0155	1.86E-4	0.000	0.050							
	20.20	1.22	0.79	92.59	0.45	1797.33	3.1E-4	0.0605	0.0191	0.81
0.0154	1.85E-4	0.000	0.050							
	20.15	1.21	0.79	92.74	0.45	1795.92	3.1E-4	0.0603	0.0191	0.81
0.0154	1.84E-4	0.000	0.051							
	20.10	1.21	0.79	92.89	0.45	1794.50	3.1E-4	0.0601	0.0190	0.81
0.0153	1.84E-4	0.000	0.051							
	20.05	1.21	0.79	93.04	0.45	1793.08	3.0E-4	0.0599	0.0189	0.81
0.0153	1.83E-4	0.000	0.051							
	20.00	1.20	0.78	93.19	0.45	1791.65	3.0E-4	0.0597	0.0189	0.81
0.0152	1.82E-4	0.000	0.051							
	19.95	1.20	0.78	93.24	0.45	1789.60	3.0E-4	0.0595	0.0188	0.81
0.0152	1.82E-4	0.000	0.051							
	19.90	1.20	0.78	93.30	0.45	1787.54	3.0E-4	0.0593	0.0188	0.81
0.0151	1.81E-4	0.000	0.051							
	19.85	1.20	0.78	93.35	0.45	1785.48	3.0E-4	0.0592	0.0187	0.81
0.0151	1.81E-4	0.000	0.052							
	19.80	1.19	0.77	93.40	0.45	1783.42	3.0E-4	0.0590	0.0187	0.81
0.0150	1.80E-4	0.000	0.052							
	19.75	1.19	0.77	93.45	0.45	1781.36	3.0E-4	0.0588	0.0186	0.81
0.0150	1.80E-4	0.000	0.052							
	19.70	1.19	0.77	93.51	0.45	1779.30	3.0E-4	0.0587	0.0185	0.81
0.0149	1.79E-4	0.000	0.052							
	19.65	1.18	0.77	93.56	0.45	1777.23	3.0E-4	0.0585	0.0185	0.81
0.0149	1.79E-4	0.000	0.052							
	19.60	1.18	0.77	93.61	0.45	1775.16	3.0E-4	0.0583	0.0184	0.81
0.0149	1.78E-4	0.000	0.052							
	19.55	1.18	0.76	93.67	0.45	1773.10	3.0E-4	0.0581	0.0184	0.81
0.0148	1.78E-4	0.000	0.053							
	19.50	1.17	0.76	93.72	0.45	1771.03	3.0E-4	0.0580	0.0183	0.81
0.0148	1.77E-4	0.000	0.053							
	19.45	1.17	0.76	93.78	0.45	1768.96	3.0E-4	0.0578	0.0183	0.81

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0. 0147	1. 77E-4	0. 000	0. 053								
	19. 40	1. 17	0. 76	93. 83	0. 45	1766. 89	3. 0E-4	0. 0576	0. 0182	0. 81	
0. 0147	1. 76E-4	0. 000	0. 053								
	19. 35	1. 16	0. 76	93. 89	0. 45	1764. 81	3. 0E-4	0. 0575	0. 0182	0. 81	
0. 0146	1. 76E-4	0. 000	0. 053								
	19. 30	1. 16	0. 75	93. 94	0. 45	1762. 74	3. 0E-4	0. 0573	0. 0181	0. 81	
0. 0146	1. 75E-4	0. 000	0. 054								
	19. 25	1. 16	0. 75	94. 00	0. 45	1760. 66	3. 0E-4	0. 0571	0. 0181	0. 81	
0. 0146	1. 75E-4	0. 000	0. 054								
	19. 20	1. 15	0. 75	94. 05	0. 45	1758. 58	3. 0E-4	0. 0852	0. 0269	0. 81	
0. 0217	2. 61E-4	0. 000	0. 054								
	19. 15	1. 15	0. 75	94. 11	0. 45	1756. 50	3. 0E-4	0. 0848	0. 0268	0. 81	
0. 0216	2. 59E-4	0. 000	0. 054								
	19. 10	1. 15	0. 75	94. 16	0. 45	1754. 42	3. 0E-4	0. 0844	0. 0267	0. 81	
0. 0215	2. 58E-4	0. 000	0. 055								
	19. 05	1. 14	0. 74	94. 22	0. 45	1752. 34	3. 0E-4	0. 0840	0. 0266	0. 81	
0. 0214	2. 57E-4	0. 000	0. 055								
	19. 00	1. 14	0. 74	94. 28	0. 45	1750. 26	3. 0E-4	0. 0836	0. 0264	0. 81	
0. 0213	2. 56E-4	0. 000	0. 055								
	18. 95	1. 14	0. 74	94. 33	0. 45	1748. 17	3. 0E-4	0. 0832	0. 0263	0. 81	
0. 0212	2. 55E-4	0. 000	0. 055								
	18. 90	1. 13	0. 74	94. 39	0. 45	1746. 09	2. 9E-4	0. 0828	0. 0262	0. 81	
0. 0211	2. 53E-4	0. 000	0. 056								
	18. 85	1. 13	0. 74	94. 45	0. 45	1744. 00	2. 9E-4	0. 0825	0. 0261	0. 81	
0. 0210	2. 52E-4	0. 000	0. 056								
	18. 80	1. 13	0. 73	94. 51	0. 45	1741. 91	2. 9E-4	0. 0821	0. 0260	0. 81	
0. 0209	2. 51E-4	0. 000	0. 056								
	18. 75	1. 13	0. 73	94. 56	0. 45	1739. 82	2. 9E-4	0. 0817	0. 0258	0. 81	
0. 0208	2. 50E-4	0. 000	0. 056								
	18. 70	1. 12	0. 73	94. 62	0. 45	1737. 73	2. 9E-4	0. 0813	0. 0257	0. 81	
0. 0207	2. 49E-4	0. 000	0. 057								
	18. 65	1. 12	0. 73	94. 68	0. 45	1735. 63	2. 9E-4	0. 0809	0. 0256	0. 81	
0. 0206	2. 48E-4	0. 000	0. 057								
	18. 60	1. 12	0. 73	94. 74	0. 45	1733. 54	2. 9E-4	0. 0806	0. 0255	0. 81	
0. 0205	2. 46E-4	0. 000	0. 057								
	18. 55	1. 11	0. 72	94. 80	0. 45	1731. 44	2. 9E-4	0. 0802	0. 0254	0. 81	
0. 0204	2. 45E-4	0. 000	0. 057								
	18. 50	1. 11	0. 72	94. 86	0. 45	1729. 34	2. 9E-4	0. 0798	0. 0252	0. 81	
0. 0203	2. 44E-4	0. 000	0. 058								
	18. 45	1. 11	0. 72	94. 92	0. 45	1727. 24	2. 9E-4	0. 0795	0. 0251	0. 81	
0. 0202	2. 43E-4	0. 000	0. 058								
	18. 40	1. 10	0. 72	94. 98	0. 45	1725. 14	2. 9E-4	0. 0791	0. 0250	0. 81	
0. 0202	2. 42E-4	0. 000	0. 058								
	18. 35	1. 10	0. 71	95. 04	0. 45	1723. 04	2. 9E-4	0. 0787	0. 0249	0. 81	
0. 0201	2. 41E-4	0. 000	0. 058								
	18. 30	1. 10	0. 71	95. 10	0. 45	1720. 93	2. 9E-4	0. 0784	0. 0248	0. 81	
0. 0200	2. 40E-4	0. 000	0. 058								
	18. 25	1. 09	0. 71	95. 16	0. 45	1718. 83	2. 9E-4	0. 0780	0. 0247	0. 81	
0. 0199	2. 39E-4	0. 000	0. 059								
	18. 20	1. 09	0. 71	95. 22	0. 45	1716. 72	2. 9E-4	0. 0776	0. 0245	0. 81	
0. 0198	2. 37E-4	0. 000	0. 059								
	18. 15	1. 09	0. 71	95. 28	0. 45	1714. 61	2. 9E-4	0. 0773	0. 0244	0. 81	
0. 0197	2. 36E-4	0. 000	0. 059								
	18. 10	1. 08	0. 70	95. 34	0. 45	1712. 50	2. 9E-4	0. 0769	0. 0243	0. 81	
0. 0196	2. 35E-4	0. 000	0. 059								
	18. 05	1. 08	0. 70	95. 40	0. 45	1710. 38	2. 9E-4	0. 0765	0. 0242	0. 81	
0. 0195	2. 34E-4	0. 000	0. 060								
	18. 00	1. 08	0. 70	95. 46	0. 45	1708. 27	2. 9E-4	0. 0762	0. 0241	0. 81	
0. 0194	2. 33E-4	0. 000	0. 060								
	17. 95	1. 07	0. 70	95. 53	0. 45	1706. 15	2. 9E-4	0. 0758	0. 0240	0. 81	
0. 0193	2. 32E-4	0. 000	0. 060								
	17. 90	1. 07	0. 70	95. 59	0. 45	1704. 04	2. 9E-4	0. 0755	0. 0239	0. 81	
0. 0192	2. 31E-4	0. 000	0. 060								

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	17. 85	1. 07	0. 69	95. 65	0. 45	1701. 92	2. 9E-4	0. 0751	0. 0238	0. 81
0. 0191	2. 30E-4	0. 000	0. 061							
	17. 80	1. 07	0. 69	95. 71	0. 45	1699. 79	2. 8E-4	0. 0748	0. 0236	0. 81
0. 0191	2. 29E-4	0. 000	0. 061							
	17. 75	1. 06	0. 69	95. 78	0. 45	1697. 67	2. 8E-4	0. 0744	0. 0235	0. 81
0. 0190	2. 28E-4	0. 000	0. 061							
	17. 70	1. 06	0. 69	95. 84	0. 45	1695. 55	2. 8E-4	0. 0741	0. 0234	0. 81
0. 0189	2. 27E-4	0. 000	0. 061							
	17. 65	1. 06	0. 69	95. 91	0. 45	1693. 42	2. 8E-4	0. 0737	0. 0233	0. 81
0. 0188	2. 26E-4	0. 000	0. 061							
	17. 60	1. 05	0. 68	95. 97	0. 45	1691. 29	2. 8E-4	0. 0734	0. 0232	0. 81
0. 0187	2. 24E-4	0. 000	0. 062							
	17. 55	1. 05	0. 68	96. 03	0. 45	1689. 16	2. 8E-4	0. 0730	0. 0231	0. 81
0. 0186	2. 23E-4	0. 000	0. 062							
	17. 50	1. 05	0. 68	96. 10	0. 45	1687. 03	2. 8E-4	0. 0727	0. 0230	0. 81
0. 0185	2. 22E-4	0. 000	0. 062							
	17. 45	1. 04	0. 68	96. 16	0. 45	1684. 90	2. 8E-4	0. 0724	0. 0229	0. 81
0. 0184	2. 21E-4	0. 000	0. 062							
	17. 40	1. 04	0. 68	96. 23	0. 46	1682. 77	2. 8E-4	0. 0720	0. 0228	0. 81
0. 0184	2. 20E-4	0. 000	0. 063							
	17. 35	1. 04	0. 67	96. 30	0. 46	1680. 63	2. 8E-4	0. 0717	0. 0227	0. 81
0. 0183	2. 19E-4	0. 000	0. 063							
	17. 30	1. 03	0. 67	96. 36	0. 46	1678. 49	2. 8E-4	0. 0714	0. 0226	0. 81
0. 0182	2. 18E-4	0. 000	0. 063							
	17. 25	1. 03	0. 67	96. 43	0. 46	1676. 35	2. 8E-4	0. 0710	0. 0225	0. 81
0. 0181	2. 17E-4	0. 000	0. 063							
	17. 20	1. 03	0. 67	96. 50	0. 46	1674. 21	2. 8E-4	0. 0707	0. 0224	0. 81
0. 0180	2. 16E-4	0. 000	0. 063							
	17. 15	1. 02	0. 67	96. 56	0. 46	1672. 07	2. 8E-4	0. 0704	0. 0222	0. 81
0. 0179	2. 15E-4	0. 000	0. 064							
	17. 10	1. 02	0. 66	96. 63	0. 46	1669. 92	2. 8E-4	0. 0700	0. 0221	0. 81
0. 0178	2. 14E-4	0. 000	0. 064							
	17. 05	1. 02	0. 66	96. 70	0. 46	1667. 78	2. 8E-4	0. 0697	0. 0220	0. 81
0. 0178	2. 13E-4	0. 000	0. 064							
	17. 00	1. 02	0. 66	96. 77	0. 46	1665. 63	2. 8E-4	0. 0694	0. 0219	0. 81
0. 0177	2. 12E-4	0. 000	0. 064							
	16. 95	1. 01	0. 66	96. 84	0. 46	1663. 48	2. 8E-4	0. 0690	0. 0218	0. 81
0. 0176	2. 11E-4	0. 000	0. 065							
	16. 90	1. 01	0. 66	96. 90	0. 46	1661. 33	2. 8E-4	0. 0687	0. 0217	0. 81
0. 0175	2. 10E-4	0. 000	0. 065							
	16. 85	1. 01	0. 65	96. 97	0. 46	1659. 17	2. 8E-4	0. 0684	0. 0216	0. 81
0. 0174	2. 09E-4	0. 000	0. 065							
	16. 80	1. 00	0. 65	97. 04	0. 46	1657. 02	2. 8E-4	0. 0681	0. 0215	0. 81
0. 0174	2. 08E-4	0. 000	0. 065							
	16. 75	1. 00	0. 65	97. 11	0. 46	1654. 86	2. 8E-4	0. 0678	0. 0214	0. 81
0. 0173	2. 07E-4	0. 000	0. 065							
	16. 70	1. 00	0. 65	97. 18	0. 46	1652. 70	2. 7E-4	0. 0674	0. 0213	0. 81
0. 0172	2. 06E-4	0. 000	0. 066							
	16. 65	0. 99	0. 65	97. 25	0. 46	1650. 54	2. 7E-4	0. 0671	0. 0212	0. 81
0. 0171	2. 05E-4	0. 000	0. 066							
	16. 60	0. 99	0. 64	97. 32	0. 46	1648. 37	2. 7E-4	0. 0668	0. 0211	0. 81
0. 0170	2. 04E-4	0. 000	0. 066							
	16. 55	0. 99	0. 64	97. 40	0. 46	1646. 21	2. 7E-4	0. 0665	0. 0210	0. 81
0. 0169	2. 03E-4	0. 000	0. 066							
	16. 50	0. 98	0. 64	97. 47	0. 46	1644. 04	2. 7E-4	0. 0662	0. 0209	0. 81
0. 0169	2. 02E-4	0. 000	0. 066							
	16. 45	0. 98	0. 64	97. 54	0. 46	1641. 87	2. 7E-4	0. 0659	0. 0208	0. 81
0. 0168	2. 01E-4	0. 000	0. 067							
	16. 40	0. 98	0. 64	97. 61	0. 46	1639. 70	2. 7E-4	0. 0656	0. 0207	0. 81
0. 0167	2. 00E-4	0. 000	0. 067							
	16. 35	0. 98	0. 63	97. 68	0. 46	1637. 53	2. 7E-4	0. 0652	0. 0206	0. 81
0. 0166	2. 00E-4	0. 000	0. 067							
	16. 30	0. 97	0. 63	97. 76	0. 46	1635. 36	2. 7E-4	0. 0649	0. 0205	0. 81

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0.0166	1.99E-4	0.000	0.067							
	16.25	0.97	0.63	97.83	0.46	1633.18	2.7E-4	0.0646	0.0204	0.81
0.0165	1.98E-4	0.000	0.067							
	16.20	0.97	0.63	97.91	0.46	1631.00	2.7E-4	0.0643	0.0203	0.81
0.0164	1.97E-4	0.000	0.068							
	16.15	0.96	0.63	97.98	0.46	1628.82	2.7E-4	0.0640	0.0202	0.81
0.0163	1.96E-4	0.000	0.068							
	16.10	0.96	0.62	98.05	0.46	1626.64	2.7E-4	0.0637	0.0202	0.81
0.0162	1.95E-4	0.000	0.068							
	16.05	0.96	0.62	98.13	0.46	1624.45	2.7E-4	0.0634	0.0201	0.81
0.0162	1.94E-4	0.000	0.068							
	16.00	0.95	0.62	98.20	0.46	1622.27	2.7E-4	0.0631	0.0200	0.81
0.0161	1.93E-4	0.000	0.068							
	15.95	0.95	0.62	98.28	0.46	1620.08	2.7E-4	0.0628	0.0199	0.81
0.0160	1.92E-4	0.000	0.069							
	15.90	0.95	0.62	98.36	0.46	1617.89	2.7E-4	0.0625	0.0198	0.81
0.0159	1.91E-4	0.000	0.069							
	15.85	0.94	0.61	98.43	0.46	1615.70	2.7E-4	0.0622	0.0197	0.81
0.0159	1.90E-4	0.000	0.069							
	15.80	0.94	0.61	98.51	0.46	1613.50	2.7E-4	0.0619	0.0196	0.81
0.0158	1.89E-4	0.000	0.069							
	15.75	0.94	0.61	98.59	0.46	1611.31	2.7E-4	0.0616	0.0195	0.81
0.0157	1.89E-4	0.000	0.069							
	15.70	0.94	0.61	98.66	0.46	1609.11	2.7E-4	0.0614	0.0194	0.81
0.0156	1.88E-4	0.000	0.070							
	15.65	0.93	0.61	98.74	0.46	1606.91	2.7E-4	0.0611	0.0193	0.81
0.0156	1.87E-4	0.000	0.070							
	15.60	0.93	0.60	98.82	0.46	1604.71	2.6E-4	0.0608	0.0192	0.81
0.0155	1.86E-4	0.000	0.070							
	15.55	0.93	0.60	98.90	0.46	1602.50	2.6E-4	0.0605	0.0191	0.81
0.0154	1.85E-4	0.000	0.070							
	15.50	0.92	0.60	98.98	0.46	1600.29	2.6E-4	0.0602	0.0190	0.81
0.0153	1.84E-4	0.000	0.070							
	15.45	0.92	0.60	99.06	0.46	1598.09	2.6E-4	0.0599	0.0189	0.81
0.0153	1.83E-4	0.000	0.070							
	15.40	0.92	0.60	99.14	0.46	1595.87	2.6E-4	0.0596	0.0189	0.81
0.0152	1.82E-4	0.000	0.071							
	15.35	0.91	0.59	99.22	0.46	1593.66	2.6E-4	0.0593	0.0188	0.81
0.0151	1.82E-4	0.000	0.071							
	15.30	0.91	0.59	99.30	0.46	1591.45	2.6E-4	0.0591	0.0187	0.81
0.0151	1.81E-4	0.000	0.071							
	15.25	0.91	0.59	99.38	0.46	1589.23	2.6E-4	0.0588	0.0186	0.81
0.0150	1.80E-4	0.000	0.071							
	15.20	0.91	0.59	99.46	0.46	1587.01	2.6E-4	0.0585	0.0185	0.81
0.0149	1.79E-4	0.000	0.071							
	15.15	0.90	0.59	99.55	0.46	1584.79	2.6E-4	0.0582	0.0184	0.81
0.0148	1.78E-4	0.000	0.072							
	15.10	0.90	0.58	99.63	0.46	1582.56	2.6E-4	0.0580	0.0183	0.81
0.0148	1.77E-4	0.000	0.072							
	15.05	0.90	0.58	99.71	0.46	1580.34	2.6E-4	0.0577	0.0182	0.81
0.0147	1.76E-4	0.000	0.072							
	15.00	0.89	0.58	99.80	0.46	1578.11	2.6E-4	0.0574	0.0182	0.81
0.0146	1.76E-4	0.000	0.072							
	14.95	0.89	0.58	99.88	0.46	1575.88	2.6E-4	0.0571	0.0181	0.81
0.0146	1.75E-4	0.000	0.072							
	14.90	0.89	0.58	99.96	0.46	1573.65	2.6E-4	0.0569	0.0180	0.81
0.0145	1.74E-4	0.000	0.072							
	14.85	0.88	0.57	100.00	0.46	1571.42	2.6E-4	0.0566	0.0179	0.81
0.0144	1.73E-4	0.000	0.073							
	14.80	0.88	0.57	100.00	0.46	1568.19	2.6E-4	0.0564	0.0178	0.81
0.0144	1.72E-4	0.000	0.073							
	14.75	0.88	0.57	90.43	0.46	1514.20	2.7E-4	0.0613	0.0194	0.81
0.0156	1.87E-4	0.000	0.073							

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	14. 70	0. 88	0. 57	90. 51	0. 46	1512. 03	2. 7E-4	0. 0610	0. 0193	0. 81
0. 0155	1. 86E-4	0. 000	0. 073							
	14. 65	0. 87	0. 57	90. 58	0. 46	1509. 86	2. 6E-4	0. 0607	0. 0192	0. 81
0. 0155	1. 86E-4	0. 000	0. 073							
	14. 60	0. 87	0. 56	90. 66	0. 46	1507. 68	2. 6E-4	0. 0604	0. 0191	0. 81
0. 0154	1. 85E-4	0. 000	0. 073							
	14. 55	0. 87	0. 56	90. 74	0. 46	1505. 51	2. 6E-4	0. 0601	0. 0190	0. 81
0. 0153	1. 84E-4	0. 000	0. 074							
	14. 50	0. 86	0. 56	90. 82	0. 46	1503. 33	2. 6E-4	0. 0598	0. 0189	0. 81
0. 0152	1. 83E-4	0. 000	0. 074							
	14. 45	0. 86	0. 56	90. 90	0. 46	1501. 15	2. 6E-4	0. 0595	0. 0188	0. 81
0. 0152	1. 82E-4	0. 000	0. 074							
	14. 40	0. 86	0. 56	90. 98	0. 46	1498. 96	2. 6E-4	0. 0592	0. 0187	0. 81
0. 0151	1. 81E-4	0. 000	0. 074							
	14. 35	0. 85	0. 56	91. 06	0. 46	1496. 78	2. 6E-4	0. 0589	0. 0186	0. 81
0. 0150	1. 80E-4	0. 000	0. 074							
	14. 30	0. 85	0. 55	91. 14	0. 46	1494. 59	2. 6E-4	0. 0586	0. 0185	0. 81
0. 0149	1. 79E-4	0. 000	0. 075							
	14. 25	0. 85	0. 55	91. 22	0. 46	1492. 40	2. 6E-4	0. 0583	0. 0184	0. 81
0. 0149	1. 78E-4	0. 000	0. 075							
	14. 20	0. 85	0. 55	91. 30	0. 46	1490. 21	2. 6E-4	0. 0580	0. 0183	0. 81
0. 0148	1. 77E-4	0. 000	0. 075							
	14. 15	0. 84	0. 55	91. 39	0. 46	1488. 01	2. 6E-4	0. 0577	0. 0182	0. 81
0. 0147	1. 76E-4	0. 000	0. 075							
	14. 10	0. 84	0. 55	91. 47	0. 46	1485. 82	2. 6E-4	0. 0574	0. 0181	0. 81
0. 0146	1. 76E-4	0. 000	0. 075							
	14. 05	0. 84	0. 54	91. 55	0. 46	1483. 62	2. 6E-4	0. 0571	0. 0181	0. 81
0. 0146	1. 75E-4	0. 000	0. 075							
	14. 00	0. 83	0. 54	91. 64	0. 46	1481. 41	2. 6E-4	0. 0568	0. 0180	0. 81
0. 0145	1. 74E-4	0. 000	0. 076							
	13. 95	0. 83	0. 54	91. 72	0. 46	1479. 21	2. 6E-4	0. 0565	0. 0179	0. 81
0. 0144	1. 73E-4	0. 000	0. 076							
	13. 90	0. 83	0. 54	91. 80	0. 46	1477. 00	2. 6E-4	0. 0562	0. 0178	0. 81
0. 0143	1. 72E-4	0. 000	0. 076							
	13. 85	0. 82	0. 54	91. 89	0. 46	1474. 79	2. 6E-4	0. 0560	0. 0177	0. 81
0. 0143	1. 71E-4	0. 000	0. 076							
	13. 80	0. 82	0. 53	91. 97	0. 46	1472. 58	2. 6E-4	0. 0557	0. 0176	0. 81
0. 0142	1. 70E-4	0. 000	0. 076							
	13. 75	0. 82	0. 53	92. 06	0. 46	1470. 37	2. 6E-4	0. 0554	0. 0175	0. 81
0. 0141	1. 69E-4	0. 000	0. 076							
	13. 70	0. 82	0. 53	92. 15	0. 46	1468. 15	2. 5E-4	0. 0551	0. 0174	0. 81
0. 0140	1. 69E-4	0. 000	0. 077							
	13. 65	0. 81	0. 53	92. 23	0. 46	1465. 93	2. 5E-4	0. 0548	0. 0173	0. 81
0. 0140	1. 68E-4	0. 000	0. 077							
	13. 60	0. 81	0. 53	92. 32	0. 46	1463. 71	2. 5E-4	0. 0546	0. 0173	0. 81
0. 0139	1. 67E-4	0. 000	0. 077							
	13. 55	0. 81	0. 52	92. 41	0. 46	1461. 48	2. 5E-4	0. 0543	0. 0172	0. 81
0. 0138	1. 66E-4	0. 000	0. 077							
	13. 50	0. 80	0. 52	92. 50	0. 46	1459. 26	2. 5E-4	0. 0540	0. 0171	0. 81
0. 0138	1. 65E-4	0. 000	0. 077							
	13. 45	0. 80	0. 52	92. 59	0. 46	1457. 03	2. 5E-4	0. 0537	0. 0170	0. 81
0. 0137	1. 64E-4	0. 000	0. 077							
	13. 40	0. 80	0. 52	92. 65	0. 46	1454. 65	2. 5E-4	0. 0535	0. 0169	0. 81
0. 0136	1. 64E-4	0. 000	0. 078							
	13. 35	0. 79	0. 52	92. 70	0. 46	1452. 21	2. 5E-4	0. 0532	0. 0168	0. 81
0. 0136	1. 63E-4	0. 000	0. 078							
	13. 30	0. 79	0. 51	92. 75	0. 46	1449. 78	2. 5E-4	0. 0530	0. 0168	0. 81
0. 0135	1. 62E-4	0. 000	0. 078							
	13. 25	0. 79	0. 51	92. 81	0. 46	1447. 34	2. 5E-4	0. 0527	0. 0167	0. 81
0. 0134	1. 61E-4	0. 000	0. 078							
	13. 20	0. 79	0. 51	92. 86	0. 46	1444. 90	2. 5E-4	0. 0525	0. 0166	0. 81
0. 0134	1. 60E-4	0. 000	0. 078							
	13. 15	0. 78	0. 51	92. 91	0. 46	1442. 46	2. 5E-4	0. 0522	0. 0165	0. 81

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0. 0133	1. 60E-4	0. 000	0. 078							
	13. 10	0. 78	0. 51	92. 97	0. 46	1440. 01	2. 5E-4	0. 0520	0. 0164	0. 81
0. 0132	1. 59E-4	0. 000	0. 079							
	13. 05	0. 78	0. 50	93. 02	0. 46	1437. 57	2. 5E-4	0. 0517	0. 0164	0. 81
0. 0132	1. 58E-4	0. 000	0. 079							
	13. 00	0. 77	0. 50	93. 08	0. 46	1435. 12	2. 5E-4	0. 0515	0. 0163	0. 81
0. 0131	1. 57E-4	0. 000	0. 079							
	12. 95	0. 77	0. 50	93. 13	0. 46	1432. 68	2. 5E-4	0. 0512	0. 0162	0. 81
0. 0131	1. 57E-4	0. 000	0. 079							
	12. 90	0. 77	0. 50	93. 19	0. 46	1430. 23	2. 5E-4	0. 0510	0. 0161	0. 81
0. 0130	1. 56E-4	0. 000	0. 079							
	12. 85	0. 76	0. 50	93. 25	0. 46	1427. 77	2. 5E-4	0. 0508	0. 0161	0. 81
0. 0129	1. 55E-4	0. 000	0. 079							
	12. 80	0. 76	0. 50	93. 31	0. 46	1425. 32	2. 5E-4	0. 0505	0. 0160	0. 81
0. 0129	1. 54E-4	0. 000	0. 080							
	12. 75	0. 76	0. 49	93. 36	0. 46	1422. 87	2. 5E-4	0. 0503	0. 0159	0. 81
0. 0128	1. 54E-4	0. 000	0. 080							
	12. 70	0. 76	0. 49	93. 42	0. 46	1420. 41	2. 4E-4	0. 0500	0. 0158	0. 81
0. 0128	1. 53E-4	0. 000	0. 080							
	12. 65	0. 75	0. 49	93. 48	0. 46	1417. 95	2. 4E-4	0. 0498	0. 0157	0. 81
0. 0127	1. 52E-4	0. 000	0. 080							
	12. 60	0. 75	0. 49	93. 54	0. 46	1415. 49	2. 4E-4	0. 0496	0. 0157	0. 81
0. 0126	1. 52E-4	0. 000	0. 080							
	12. 55	0. 75	0. 49	93. 60	0. 46	1413. 03	2. 4E-4	0. 0493	0. 0156	0. 81
0. 0126	1. 51E-4	0. 000	0. 080							
	12. 50	0. 74	0. 48	93. 66	0. 46	1410. 56	2. 4E-4	0. 0491	0. 0155	0. 81
0. 0125	1. 50E-4	0. 000	0. 080							
	12. 45	0. 74	0. 48	93. 73	0. 46	1408. 09	2. 4E-4	0. 0488	0. 0154	0. 81
0. 0124	1. 49E-4	0. 000	0. 081							
	12. 40	0. 74	0. 48	93. 79	0. 46	1405. 63	2. 4E-4	0. 0486	0. 0154	0. 81
0. 0124	1. 49E-4	0. 000	0. 081							
	12. 35	0. 74	0. 48	93. 85	0. 46	1403. 16	2. 4E-4	0. 0484	0. 0153	0. 81
0. 0123	1. 48E-4	0. 000	0. 081							
	12. 30	0. 73	0. 48	93. 92	0. 46	1400. 68	2. 4E-4	0. 0481	0. 0152	0. 81
0. 0123	1. 47E-4	0. 000	0. 081							
	12. 25	0. 73	0. 47	93. 98	0. 46	1398. 21	2. 4E-4	0. 0479	0. 0151	0. 81
0. 0122	1. 47E-4	0. 000	0. 081							
	12. 20	0. 73	0. 47	94. 05	0. 46	1395. 73	2. 4E-4	0. 0477	0. 0151	0. 81
0. 0122	1. 46E-4	0. 000	0. 081							
	12. 15	0. 72	0. 47	94. 11	0. 46	1393. 26	2. 4E-4	0. 0474	0. 0150	0. 81
0. 0121	1. 45E-4	0. 000	0. 081							
	12. 10	0. 72	0. 47	94. 18	0. 46	1390. 77	2. 4E-4	0. 0472	0. 0149	0. 81
0. 0120	1. 44E-4	0. 000	0. 082							
	12. 05	0. 72	0. 47	94. 25	0. 46	1388. 29	2. 4E-4	0. 0470	0. 0149	0. 81
0. 0120	1. 44E-4	0. 000	0. 082							
	12. 00	0. 72	0. 46	94. 31	0. 46	1385. 81	2. 4E-4	0. 0468	0. 0148	0. 81
0. 0119	1. 43E-4	0. 000	0. 082							
	11. 95	0. 71	0. 46	94. 38	0. 46	1383. 32	2. 4E-4	0. 0465	0. 0147	0. 81
0. 0119	1. 42E-4	0. 000	0. 082							
	11. 90	0. 71	0. 46	94. 45	0. 46	1380. 83	2. 4E-4	0. 0463	0. 0146	0. 81
0. 0118	1. 42E-4	0. 000	0. 082							
	11. 85	0. 71	0. 46	94. 52	0. 46	1378. 34	2. 4E-4	0. 0461	0. 0146	0. 81
0. 0117	1. 41E-4	0. 000	0. 082							
	11. 80	0. 70	0. 46	94. 59	0. 46	1375. 85	2. 4E-4	0. 0459	0. 0145	0. 81
0. 0117	1. 40E-4	0. 000	0. 082							
	11. 75	0. 70	0. 46	94. 66	0. 46	1373. 35	2. 4E-4	0. 0456	0. 0144	0. 81
0. 0116	1. 40E-4	0. 000	0. 083							
	11. 70	0. 70	0. 45	94. 74	0. 46	1370. 86	2. 3E-4	0. 0454	0. 0144	0. 81
0. 0116	1. 39E-4	0. 000	0. 083							
	11. 65	0. 69	0. 45	94. 81	0. 46	1368. 36	2. 3E-4	0. 0452	0. 0143	0. 81
0. 0115	1. 38E-4	0. 000	0. 083							
	11. 60	0. 69	0. 45	94. 88	0. 46	1365. 86	2. 3E-4	0. 0450	0. 0142	0. 81
0. 0115	1. 38E-4	0. 000	0. 083							

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	11. 55	0. 69	0. 45	94. 96	0. 46	1363. 35	2. 3E-4	0. 0448	0. 0142	0. 81
0. 0114	1. 37E-4	0. 000	0. 083							
	11. 50	0. 69	0. 45	95. 03	0. 46	1360. 85	2. 3E-4	0. 0445	0. 0141	0. 81
0. 0113	1. 36E-4	0. 000	0. 083							
	11. 45	0. 68	0. 44	95. 11	0. 46	1358. 34	2. 3E-4	0. 0443	0. 0140	0. 81
0. 0113	1. 36E-4	0. 000	0. 083							
	11. 40	0. 68	0. 44	95. 18	0. 46	1355. 83	2. 3E-4	0. 0441	0. 0139	0. 81
0. 0112	1. 35E-4	0. 000	0. 084							
	11. 35	0. 68	0. 44	95. 26	0. 46	1353. 31	2. 3E-4	0. 0439	0. 0139	0. 81
0. 0112	1. 34E-4	0. 000	0. 084							
	11. 30	0. 67	0. 44	95. 34	0. 46	1350. 80	2. 3E-4	0. 0437	0. 0138	0. 81
0. 0111	1. 34E-4	0. 000	0. 084							
	11. 25	0. 67	0. 44	95. 42	0. 46	1348. 28	2. 3E-4	0. 0435	0. 0137	0. 81
0. 0111	1. 33E-4	0. 000	0. 084							
	11. 20	0. 67	0. 43	95. 50	0. 46	1345. 76	2. 3E-4	0. 0432	0. 0137	0. 81
0. 0110	1. 32E-4	0. 000	0. 084							
	11. 15	0. 67	0. 43	95. 58	0. 46	1343. 24	2. 3E-4	0. 0430	0. 0136	0. 81
0. 0110	1. 32E-4	0. 000	0. 084							
	11. 10	0. 66	0. 43	95. 66	0. 46	1340. 71	2. 3E-4	0. 0428	0. 0135	0. 81
0. 0109	1. 31E-4	0. 000	0. 084							
	11. 05	0. 66	0. 43	95. 74	0. 46	1338. 19	2. 3E-4	0. 0426	0. 0135	0. 81
0. 0109	1. 30E-4	0. 000	0. 085							
	11. 00	0. 66	0. 43	95. 83	0. 46	1335. 66	2. 3E-4	0. 0424	0. 0134	0. 81
0. 0108	1. 30E-4	0. 000	0. 085							
	10. 95	0. 65	0. 43	95. 91	0. 46	1333. 12	2. 3E-4	0. 0422	0. 0133	0. 81
0. 0108	1. 29E-4	0. 000	0. 085							
	10. 90	0. 65	0. 42	95. 99	0. 46	1330. 59	2. 3E-4	0. 0420	0. 0133	0. 81
0. 0107	1. 28E-4	0. 000	0. 085							
	10. 85	0. 65	0. 42	96. 08	0. 46	1328. 05	2. 3E-4	0. 0418	0. 0132	0. 81
0. 0106	1. 28E-4	0. 000	0. 085							
	10. 80	0. 65	0. 42	96. 17	0. 46	1325. 51	2. 3E-4	0. 0416	0. 0131	0. 81
0. 0106	1. 27E-4	0. 000	0. 085							
	10. 75	0. 64	0. 42	96. 25	0. 46	1322. 97	2. 2E-4	0. 0414	0. 0131	0. 81
0. 0105	1. 26E-4	0. 000	0. 085							
	10. 70	0. 64	0. 42	96. 34	0. 46	1320. 42	2. 2E-4	0. 0411	0. 0130	0. 81
0. 0105	1. 26E-4	0. 000	0. 085							
	10. 65	0. 64	0. 41	96. 43	0. 46	1317. 88	2. 2E-4	0. 0409	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 086							
	10. 60	0. 63	0. 41	96. 52	0. 46	1315. 32	2. 2E-4	0. 0407	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 086							
	10. 55	0. 63	0. 41	96. 61	0. 46	1312. 77	2. 2E-4	0. 0405	0. 0128	0. 81
0. 0103	1. 24E-4	0. 000	0. 086							
	10. 50	0. 63	0. 41	96. 70	0. 46	1310. 22	2. 2E-4	0. 0403	0. 0128	0. 81
0. 0103	1. 23E-4	0. 000	0. 086							
	10. 45	0. 63	0. 41	96. 79	0. 46	1307. 66	2. 2E-4	0. 0401	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 086							
	10. 40	0. 62	0. 40	96. 89	0. 46	1305. 10	2. 2E-4	0. 0399	0. 0126	0. 81
0. 0102	1. 22E-4	0. 000	0. 086							
	10. 35	0. 62	0. 40	96. 98	0. 46	1302. 53	2. 2E-4	0. 0397	0. 0126	0. 81
0. 0101	1. 22E-4	0. 000	0. 086							
	10. 30	0. 62	0. 40	97. 08	0. 46	1299. 96	2. 2E-4	0. 0395	0. 0125	0. 81
0. 0101	1. 21E-4	0. 000	0. 086							
	10. 25	0. 61	0. 40	97. 17	0. 46	1297. 39	2. 2E-4	0. 0393	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 087							
	10. 20	0. 61	0. 40	97. 27	0. 46	1294. 82	2. 2E-4	0. 0391	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 087							
	10. 15	0. 61	0. 40	97. 37	0. 46	1292. 25	2. 2E-4	0. 0389	0. 0123	0. 81
0. 0099	1. 19E-4	0. 000	0. 087							
	10. 10	0. 61	0. 39	97. 47	0. 46	1289. 67	2. 2E-4	0. 0387	0. 0123	0. 81
0. 0099	1. 19E-4	0. 000	0. 087							
	10. 05	0. 60	0. 39	97. 57	0. 46	1287. 09	2. 2E-4	0. 0386	0. 0122	0. 81
0. 0098	1. 18E-4	0. 000	0. 087							
	10. 00	0. 60	0. 39	97. 67	0. 46	1284. 50	2. 2E-4	0. 0384	0. 0121	0. 81

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0.0098	1.17E-4	0.000	0.087							
	9.95	0.60	0.39	97.44	0.46	1280.46	2.2E-4	0.0382	0.0121	0.81
0.0097	1.17E-4	0.000	0.087							
	9.90	0.59	0.39	97.21	0.46	1276.42	2.2E-4	0.0381	0.0121	0.81
0.0097	1.17E-4	0.000	0.087							
	9.85	0.59	0.38	96.98	0.46	1272.36	2.2E-4	0.0380	0.0120	0.81
0.0097	1.16E-4	0.000	0.087							
	9.80	0.59	0.38	96.75	0.46	1268.30	2.2E-4	0.0379	0.0120	0.81
0.0097	1.16E-4	0.000	0.088							
	9.75	0.59	0.38	96.52	0.46	1264.22	2.1E-4	0.0378	0.0120	0.81
0.0096	1.16E-4	0.000	0.088							
	9.70	0.58	0.38	96.29	0.46	1260.14	2.1E-4	0.0377	0.0119	0.81
0.0096	1.15E-4	0.000	0.088							
	9.65	0.58	0.38	96.06	0.46	1256.05	2.1E-4	0.0376	0.0119	0.81
0.0096	1.15E-4	0.000	0.088							
	9.60	0.58	0.38	95.83	0.46	1251.95	2.1E-4	0.0375	0.0119	0.81
0.0096	1.15E-4	0.000	0.088							
	9.55	0.57	0.37	95.60	0.46	1247.84	2.1E-4	0.0374	0.0118	0.81
0.0095	1.14E-4	0.000	0.088							
	9.50	0.57	0.37	95.36	0.46	1243.72	2.1E-4	0.0373	0.0118	0.81
0.0095	1.14E-4	0.000	0.088							
	9.45	0.57	0.37	95.13	0.46	1239.60	2.1E-4	0.0371	0.0117	0.81
0.0095	1.14E-4	0.000	0.088							
	9.40	0.57	0.37	94.89	0.46	1235.46	2.1E-4	0.0370	0.0117	0.81
0.0094	1.13E-4	0.000	0.088							
	9.35	0.56	0.37	94.66	0.46	1231.31	2.1E-4	0.0369	0.0117	0.81
0.0094	1.13E-4	0.000	0.089							
	9.30	0.56	0.36	94.42	0.46	1227.16	2.1E-4	0.0368	0.0116	0.81
0.0094	1.13E-4	0.000	0.089							
	9.25	0.56	0.36	94.19	0.46	1222.99	2.1E-4	0.0367	0.0116	0.81
0.0094	1.12E-4	0.000	0.089							
	9.20	0.55	0.36	93.95	0.46	1218.82	2.1E-4	0.0366	0.0116	0.81
0.0093	1.12E-4	0.000	0.089							
	9.15	0.55	0.36	93.71	0.46	1214.64	2.1E-4	0.0365	0.0115	0.81
0.0093	1.12E-4	0.000	0.089							
	9.10	0.55	0.36	93.47	0.46	1210.44	2.1E-4	0.0364	0.0115	0.81
0.0093	1.11E-4	0.000	0.089							
	9.05	0.55	0.35	93.24	0.46	1206.24	2.1E-4	0.0362	0.0115	0.81
0.0092	1.11E-4	0.000	0.089							
	9.00	0.54	0.35	93.00	0.46	1202.03	2.1E-4	0.0361	0.0114	0.81
0.0092	1.11E-4	0.000	0.089							
	8.95	0.54	0.35	92.76	0.46	1197.81	2.1E-4	0.0360	0.0114	0.81
0.0092	1.10E-4	0.000	0.089							
	8.90	0.54	0.35	92.52	0.46	1193.57	2.1E-4	0.0417	0.0132	0.81
0.0106	1.27E-4	0.000	0.090							
	8.85	0.53	0.35	92.27	0.46	1189.33	2.1E-4	0.0415	0.0131	0.81
0.0106	1.27E-4	0.000	0.090							
	8.80	0.53	0.35	92.03	0.46	1185.08	2.1E-4	0.0414	0.0131	0.81
0.0106	1.27E-4	0.000	0.090							
	8.75	0.53	0.34	91.79	0.46	1180.82	2.1E-4	0.0413	0.0131	0.81
0.0105	1.26E-4	0.000	0.090							
	8.70	0.53	0.34	91.55	0.46	1176.54	2.1E-4	0.0411	0.0130	0.81
0.0105	1.26E-4	0.000	0.090							
	8.65	0.52	0.34	91.30	0.46	1172.26	2.1E-4	0.0410	0.0130	0.81
0.0105	1.25E-4	0.000	0.090							
	8.60	0.52	0.34	91.06	0.46	1167.97	2.1E-4	0.0409	0.0129	0.81
0.0104	1.25E-4	0.000	0.090							
	8.55	0.52	0.34	90.81	0.46	1163.66	2.1E-4	0.0408	0.0129	0.81
0.0104	1.25E-4	0.000	0.090							
	8.50	0.51	0.33	90.57	0.46	1159.35	2.1E-4	0.0406	0.0129	0.81
0.0104	1.24E-4	0.000	0.091							
	8.45	0.51	0.33	90.32	0.46	1155.02	2.1E-4	0.0405	0.0128	0.81
0.0103	1.24E-4	0.000	0.091							

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	8. 40	0. 51	0. 33	90. 07	0. 46	1150. 69	2. 1E-4	0. 0404	0. 0128	0. 81
0. 0103	1. 24E-4	0. 000	0. 091							
	8. 35	0. 51	0. 33	89. 82	0. 47	1146. 34	2. 1E-4	0. 0403	0. 0127	0. 81
0. 0103	1. 23E-4	0. 000	0. 091							
	8. 30	0. 50	0. 33	89. 58	0. 47	1141. 98	2. 0E-4	0. 0402	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 091							
	8. 25	0. 50	0. 32	89. 33	0. 47	1137. 62	2. 0E-4	0. 0400	0. 0127	0. 81
0. 0102	1. 22E-4	0. 000	0. 091							
	8. 20	0. 50	0. 32	79. 25	0. 47	1090. 00	2. 1E-4	0. 0428	0. 0135	0. 81
0. 0109	1. 31E-4	0. 000	0. 091							
	8. 15	0. 49	0. 32	79. 04	0. 47	1085. 80	2. 1E-4	0. 0426	0. 0135	0. 81
0. 0109	1. 30E-4	0. 000	0. 091							
	8. 10	0. 49	0. 32	78. 82	0. 47	1081. 59	2. 1E-4	0. 0425	0. 0134	0. 81
0. 0108	1. 30E-4	0. 000	0. 092							
	8. 05	0. 49	0. 32	78. 60	0. 47	1077. 37	2. 1E-4	0. 0423	0. 0134	0. 81
0. 0108	1. 29E-4	0. 000	0. 092							
	8. 00	0. 49	0. 32	78. 38	0. 47	1073. 14	2. 1E-4	0. 0422	0. 0133	0. 81
0. 0107	1. 29E-4	0. 000	0. 092							
	7. 95	0. 48	0. 31	78. 16	0. 47	1068. 90	2. 1E-4	0. 0420	0. 0133	0. 81
0. 0107	1. 28E-4	0. 000	0. 092							
	7. 90	0. 48	0. 31	77. 94	0. 47	1064. 65	2. 1E-4	0. 0418	0. 0132	0. 81
0. 0107	1. 28E-4	0. 000	0. 092							
	7. 85	0. 48	0. 31	77. 71	0. 47	1060. 38	2. 1E-4	0. 0417	0. 0132	0. 81
0. 0106	1. 27E-4	0. 000	0. 092							
	7. 80	0. 47	0. 31	77. 49	0. 47	1056. 11	2. 1E-4	0. 0415	0. 0131	0. 81
0. 0106	1. 27E-4	0. 000	0. 092							
	7. 75	0. 47	0. 31	77. 27	0. 47	1051. 82	2. 1E-4	0. 0414	0. 0131	0. 81
0. 0105	1. 27E-4	0. 000	0. 093							
	7. 70	0. 47	0. 30	77. 04	0. 47	1047. 52	2. 1E-4	0. 0412	0. 0130	0. 81
0. 0105	1. 26E-4	0. 000	0. 093							
	7. 65	0. 46	0. 30	76. 82	0. 47	1043. 21	2. 1E-4	0. 0411	0. 0130	0. 81
0. 0105	1. 26E-4	0. 000	0. 093							
	7. 60	0. 46	0. 30	76. 59	0. 47	1038. 89	2. 1E-4	0. 0409	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 093							
	7. 55	0. 46	0. 30	76. 37	0. 47	1034. 55	2. 1E-4	0. 0408	0. 0129	0. 81
0. 0104	1. 25E-4	0. 000	0. 093							
	7. 50	0. 46	0. 30	76. 14	0. 47	1030. 21	2. 1E-4	0. 0406	0. 0129	0. 81
0. 0104	1. 24E-4	0. 000	0. 093							
	7. 45	0. 45	0. 29	75. 91	0. 47	1025. 85	2. 1E-4	0. 0405	0. 0128	0. 81
0. 0103	1. 24E-4	0. 000	0. 093							
	7. 40	0. 45	0. 29	75. 68	0. 47	1021. 48	2. 1E-4	0. 0403	0. 0128	0. 81
0. 0103	1. 23E-4	0. 000	0. 093							
	7. 35	0. 45	0. 29	75. 45	0. 47	1017. 10	2. 0E-4	0. 0402	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 094							
	7. 30	0. 44	0. 29	75. 22	0. 47	1012. 70	2. 0E-4	0. 0401	0. 0127	0. 81
0. 0102	1. 23E-4	0. 000	0. 094							
	7. 25	0. 44	0. 29	74. 99	0. 47	1008. 30	2. 0E-4	0. 0399	0. 0126	0. 81
0. 0102	1. 22E-4	0. 000	0. 094							
	7. 20	0. 44	0. 28	74. 76	0. 47	1003. 88	2. 0E-4	0. 0398	0. 0126	0. 81
0. 0101	1. 22E-4	0. 000	0. 094							
	7. 15	0. 44	0. 28	74. 52	0. 47	999. 45	2. 0E-4	0. 0397	0. 0125	0. 81
0. 0101	1. 21E-4	0. 000	0. 094							
	7. 10	0. 43	0. 28	74. 29	0. 47	995. 00	2. 0E-4	0. 0395	0. 0125	0. 81
0. 0101	1. 21E-4	0. 000	0. 094							
	7. 05	0. 43	0. 28	74. 06	0. 47	990. 54	2. 0E-4	0. 0394	0. 0125	0. 81
0. 0100	1. 20E-4	0. 000	0. 094							
	7. 00	0. 43	0. 28	73. 82	0. 47	986. 07	2. 0E-4	0. 0392	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 094							
	6. 95	0. 42	0. 28	73. 58	0. 47	981. 59	2. 0E-4	0. 0391	0. 0124	0. 81
0. 0100	1. 20E-4	0. 000	0. 094							
	6. 90	0. 42	0. 27	73. 35	0. 47	977. 09	2. 0E-4	0. 0390	0. 0123	0. 81
0. 0099	1. 19E-4	0. 000	0. 095							
	6. 85	0. 42	0. 27	73. 11	0. 47	972. 58	2. 0E-4	0. 0389	0. 0123	0. 81

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0. 0099	1. 19E-4	0. 000	0. 095								
	6. 80	0. 41	0. 27	72. 87	0. 47	968. 06	2. 0E-4	0. 0387	0. 0122	0. 81	
0. 0099	1. 18E-4	0. 000	0. 095								
	6. 75	0. 41	0. 27	72. 63	0. 47	963. 52	2. 0E-4	0. 0396	0. 0125	0. 81	
0. 0101	1. 21E-4	0. 000	0. 095								
	6. 70	0. 41	0. 27	72. 39	0. 47	958. 97	2. 0E-4	0. 0394	0. 0125	0. 81	
0. 0101	1. 21E-4	0. 000	0. 095								
	6. 65	0. 41	0. 26	72. 15	0. 47	954. 41	2. 0E-4	0. 0393	0. 0124	0. 81	
0. 0100	1. 20E-4	0. 000	0. 095								
	6. 60	0. 40	0. 26	71. 91	0. 47	949. 83	2. 0E-4	0. 0392	0. 0124	0. 81	
0. 0100	1. 20E-4	0. 000	0. 095								
	6. 55	0. 40	0. 26	71. 66	0. 47	945. 23	2. 0E-4	0. 0390	0. 0123	0. 81	
0. 0099	1. 19E-4	0. 000	0. 095								
	6. 50	0. 40	0. 26	71. 42	0. 47	940. 63	2. 0E-4	0. 0389	0. 0123	0. 81	
0. 0099	1. 19E-4	0. 000	0. 096								
	6. 45	0. 39	0. 26	71. 17	0. 47	936. 00	2. 0E-4	0. 0387	0. 0122	0. 81	
0. 0099	1. 18E-4	0. 000	0. 096								
	6. 40	0. 39	0. 25	70. 93	0. 47	931. 37	2. 0E-4	0. 0386	0. 0122	0. 81	
0. 0098	1. 18E-4	0. 000	0. 096								
	6. 35	0. 39	0. 25	70. 68	0. 47	926. 72	2. 0E-4	0. 0384	0. 0121	0. 81	
0. 0098	1. 17E-4	0. 000	0. 096								
	6. 30	0. 38	0. 25	70. 43	0. 47	922. 05	1. 9E-4	0. 0382	0. 0121	0. 81	
0. 0097	1. 17E-4	0. 000	0. 096								
	6. 25	0. 38	0. 25	70. 18	0. 47	917. 37	1. 9E-4	0. 0381	0. 0120	0. 81	
0. 0097	1. 17E-4	0. 000	0. 096								
	6. 20	0. 38	0. 25	69. 93	0. 47	912. 67	1. 9E-4	0. 0379	0. 0120	0. 81	
0. 0097	1. 16E-4	0. 000	0. 096								
	6. 15	0. 38	0. 24	69. 68	0. 47	907. 96	1. 9E-4	0. 0378	0. 0120	0. 81	
0. 0096	1. 16E-4	0. 000	0. 096								
	6. 10	0. 37	0. 24	69. 43	0. 47	903. 23	1. 9E-4	0. 0376	0. 0119	0. 81	
0. 0096	1. 15E-4	0. 000	0. 097								
	6. 05	0. 37	0. 24	69. 17	0. 47	898. 49	1. 9E-4	0. 0375	0. 0119	0. 81	
0. 0096	1. 15E-4	0. 000	0. 097								
	6. 00	0. 37	0. 24	68. 92	0. 47	893. 73	1. 9E-4	0. 0373	0. 0118	0. 81	
0. 0095	1. 14E-4	0. 000	0. 097								
	5. 95	0. 36	0. 24	68. 66	0. 47	888. 95	1. 9E-4	0. 0372	0. 0118	0. 81	
0. 0095	1. 14E-4	0. 000	0. 097								
	5. 90	0. 36	0. 23	68. 41	0. 47	884. 16	1. 9E-4	0. 0370	0. 0117	0. 81	
0. 0094	1. 13E-4	0. 000	0. 097								
	5. 85	0. 36	0. 23	68. 15	0. 47	879. 35	1. 9E-4	0. 0369	0. 0117	0. 81	
0. 0094	1. 13E-4	0. 000	0. 097								
	5. 80	0. 35	0. 23	67. 89	0. 47	874. 53	1. 9E-4	0. 0367	0. 0116	0. 81	
0. 0094	1. 12E-4	0. 000	0. 097								
	5. 75	0. 35	0. 23	67. 63	0. 47	869. 69	1. 9E-4	0. 0365	0. 0116	0. 81	
0. 0093	1. 12E-4	0. 000	0. 097								
	5. 70	0. 35	0. 23	67. 37	0. 47	864. 83	1. 9E-4	0. 0364	0. 0115	0. 81	
0. 0093	1. 11E-4	0. 000	0. 097								
	5. 65	0. 35	0. 22	67. 06	0. 47	859. 74	1. 9E-4	0. 0362	0. 0115	0. 81	
0. 0092	1. 11E-4	0. 000	0. 098								
	5. 60	0. 34	0. 22	66. 53	0. 47	853. 73	1. 9E-4	0. 0362	0. 0114	0. 81	
0. 0092	1. 11E-4	0. 000	0. 098								
	5. 55	0. 34	0. 22	66. 00	0. 47	847. 71	1. 9E-4	0. 0361	0. 0114	0. 81	
0. 0092	1. 10E-4	0. 000	0. 098								
	5. 50	0. 34	0. 22	65. 48	0. 47	841. 68	1. 9E-4	0. 0360	0. 0114	0. 81	
0. 0092	1. 10E-4	0. 000	0. 098								
	5. 45	0. 33	0. 22	64. 95	0. 47	835. 64	1. 9E-4	0. 0359	0. 0113	0. 81	
0. 0091	1. 10E-4	0. 000	0. 098								
	5. 40	0. 33	0. 21	64. 42	0. 47	829. 54	1. 9E-4	0. 0358	0. 0113	0. 81	
0. 0091	1. 09E-4	0. 000	0. 098								
	5. 35	0. 33	0. 21	63. 86	0. 47	823. 35	1. 9E-4	0. 0357	0. 0113	0. 81	
0. 0091	1. 09E-4	0. 000	0. 098								
	5. 30	0. 32	0. 21	63. 31	0. 47	817. 15	1. 9E-4	0. 0356	0. 0113	0. 81	
0. 0091	1. 09E-4	0. 000	0. 098								

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0.0091	5.25	0.32	0.21	62.76	0.47	810.94	1.9E-4	0.0355	0.0112	0.81
	1.09E-4	0.000	0.098							
0.0090	5.20	0.32	0.21	62.20	0.47	804.71	1.9E-4	0.0354	0.0112	0.81
	1.08E-4	0.000	0.099							
0.0090	5.15	0.32	0.20	61.65	0.47	798.47	1.8E-4	0.0354	0.0112	0.81
	1.08E-4	0.000	0.099							
0.0090	5.10	0.31	0.20	61.09	0.47	792.22	1.8E-4	0.0353	0.0112	0.81
	1.08E-4	0.000	0.099							
0.0090	5.05	0.31	0.20	60.54	0.47	785.96	1.8E-4	0.0352	0.0111	0.81
	1.08E-4	0.000	0.099							
0.0089	5.00	0.31	0.20	59.99	0.47	779.68	1.8E-4	0.0351	0.0111	0.81
	1.07E-4	0.000	0.099							
0.0088	4.95	0.30	0.20	60.64	0.47	778.62	1.8E-4	0.0347	0.0110	0.81
	1.06E-4	0.000	0.099							
0.0087	4.90	0.30	0.19	61.30	0.47	777.49	1.8E-4	0.0342	0.0108	0.81
	1.05E-4	0.000	0.099							
0.0086	4.85	0.30	0.19	61.96	0.47	776.29	1.8E-4	0.0338	0.0107	0.81
	1.03E-4	0.000	0.099							
0.0085	4.80	0.29	0.19	62.62	0.47	775.02	1.8E-4	0.0334	0.0106	0.81
	1.02E-4	0.000	0.099							
0.0084	4.75	0.29	0.19	63.28	0.47	773.68	1.8E-4	0.0330	0.0104	0.81
	1.01E-4	0.000	0.099							
0.0083	4.70	0.29	0.19	63.94	0.47	772.28	1.7E-4	0.0326	0.0103	0.81
	9.97E-5	0.000	0.100							
0.0082	4.65	0.28	0.19	64.60	0.47	770.81	1.7E-4	0.0322	0.0102	0.81
	9.85E-5	0.000	0.100							
0.0081	4.60	0.28	0.18	65.26	0.47	769.26	1.7E-4	0.0318	0.0101	0.81
	9.73E-5	0.000	0.100							
0.0080	4.55	0.28	0.18	65.92	0.47	767.65	1.7E-4	0.0314	0.0099	0.81
	9.61E-5	0.000	0.100							
0.0079	4.50	0.28	0.18	66.58	0.47	765.98	1.7E-4	0.0311	0.0098	0.81
	9.50E-5	0.000	0.100							
0.0078	4.45	0.27	0.18	67.24	0.47	764.23	1.7E-4	0.0307	0.0097	0.81
	9.38E-5	0.000	0.100							
0.0077	4.40	0.27	0.18	67.90	0.47	762.41	1.7E-4	0.0303	0.0096	0.81
	9.27E-5	0.000	0.100							
0.0076	4.35	0.27	0.17	68.56	0.47	760.53	1.6E-4	0.0300	0.0095	0.81
	9.16E-5	0.000	0.100							
0.0075	4.30	0.26	0.17	69.22	0.47	758.58	1.6E-4	0.0296	0.0094	0.81
	9.05E-5	0.000	0.100							
0.0075	4.25	0.26	0.17	69.88	0.47	756.55	1.6E-4	0.0292	0.0092	0.81
	8.94E-5	0.000	0.100							
0.0074	4.20	0.26	0.17	70.54	0.47	754.46	1.6E-4	0.0289	0.0091	0.81
	8.84E-5	0.000	0.100							
0.0073	4.15	0.25	0.17	71.20	0.47	752.30	1.6E-4	0.0285	0.0090	0.81
	8.73E-5	0.000	0.101							
0.0072	4.10	0.25	0.16	71.86	0.47	750.07	1.6E-4	0.0282	0.0089	0.81
	8.63E-5	0.000	0.101							
0.0071	4.05	0.25	0.16	72.52	0.47	747.77	1.6E-4	0.0279	0.0088	0.81
	8.52E-5	0.000	0.101							
0.0070	4.00	0.24	0.16	73.18	0.47	745.40	1.5E-4	0.0275	0.0087	0.81
	8.42E-5	0.000	0.101							
0.0069	3.95	0.24	0.16	73.84	0.47	742.96	1.5E-4	0.0272	0.0086	0.81
	8.32E-5	0.000	0.101							
0.0069	3.90	0.24	0.16	74.50	0.47	740.44	1.5E-4	0.0269	0.0085	0.81
	8.22E-5	0.000	0.101							
0.0068	3.85	0.24	0.15	75.16	0.47	737.86	1.5E-4	0.0266	0.0084	0.81
	8.12E-5	0.000	0.101							
0.0067	3.80	0.23	0.15	75.82	0.47	735.20	1.5E-4	0.0262	0.0083	0.81
	8.02E-5	0.000	0.101							
0.0073	3.75	0.23	0.15	76.48	0.47	732.48	1.5E-4	0.0285	0.0090	0.81
	8.72E-5	0.000	0.101							
	3.70	0.23	0.15	77.14	0.47	729.67	1.5E-4	0.0281	0.0089	0.81

Li quefy. cal

0.0072	8.59E-5	0.000	0.101								
	3.65	0.22	0.15	77.80	0.47	726.80	1.4E-4	0.0277	0.0087	0.81	
0.0071	8.46E-5	0.000	0.101								
	3.60	0.22	0.14	78.46	0.47	723.85	1.4E-4	0.0273	0.0086	0.81	
0.0070	8.34E-5	0.000	0.101								
	3.55	0.22	0.14	79.12	0.47	720.83	1.4E-4	0.0269	0.0085	0.81	
0.0069	8.22E-5	0.000	0.102								
	3.50	0.21	0.14	79.78	0.47	717.73	1.4E-4	0.0265	0.0084	0.81	
0.0068	8.11E-5	0.000	0.102								
	3.45	0.21	0.14	80.44	0.47	714.56	1.4E-4	0.0262	0.0083	0.81	
0.0067	8.00E-5	0.000	0.102								
	3.40	0.21	0.14	81.10	0.47	711.31	1.4E-4	0.0258	0.0082	0.81	
0.0066	7.89E-5	0.000	0.102								
	3.35	0.21	0.13	81.76	0.47	707.98	1.4E-4	0.0255	0.0081	0.81	
0.0065	7.79E-5	0.000	0.102								
	3.30	0.20	0.13	82.42	0.47	704.57	1.4E-4	0.0252	0.0080	0.81	
0.0064	7.69E-5	0.000	0.102								
	3.25	0.20	0.13	83.08	0.47	701.09	1.3E-4	0.0248	0.0079	0.81	
0.0063	7.60E-5	0.000	0.102								
	3.20	0.20	0.13	83.74	0.47	697.52	1.3E-4	0.0245	0.0078	0.81	
0.0063	7.51E-5	0.000	0.102								
	3.15	0.19	0.13	84.40	0.47	693.88	1.3E-4	0.0243	0.0077	0.81	
0.0062	7.42E-5	0.000	0.102								
	3.10	0.19	0.12	85.06	0.47	690.15	1.3E-4	0.0240	0.0076	0.81	
0.0061	7.34E-5	0.000	0.102								
	3.05	0.19	0.12	85.72	0.47	686.34	1.3E-4	0.0237	0.0075	0.81	
0.0060	7.25E-5	0.000	0.102								
	3.00	0.18	0.12	86.38	0.47	682.44	1.3E-4	0.0235	0.0074	0.81	
0.0060	7.18E-5	0.000	0.102								
	2.95	0.18	0.12	87.04	0.47	678.46	1.3E-4	0.0232	0.0073	0.81	
0.0059	7.10E-5	0.000	0.102								
	2.90	0.18	0.12	87.70	0.47	674.39	1.2E-4	0.0230	0.0073	0.81	
0.0059	7.03E-5	0.000	0.103								
	2.85	0.17	0.11	88.36	0.47	670.24	1.2E-4	0.0228	0.0072	0.81	
0.0058	6.96E-5	0.000	0.103								
	2.80	0.17	0.11	89.02	0.47	665.99	1.2E-4	0.0226	0.0071	0.81	
0.0058	6.90E-5	0.000	0.103								
	2.75	0.17	0.11	89.68	0.47	661.66	1.2E-4	0.0258	0.0082	0.81	
0.0066	7.88E-5	0.000	0.103								
	2.70	0.17	0.11	90.34	0.47	657.23	1.2E-4	0.0254	0.0080	0.81	
0.0065	7.78E-5	0.000	0.103								
	2.65	0.16	0.11	91.00	0.47	652.71	1.2E-4	0.0251	0.0079	0.81	
0.0064	7.67E-5	0.000	0.103								
	2.60	0.16	0.10	91.66	0.47	648.09	1.2E-4	0.0247	0.0078	0.81	
0.0063	7.56E-5	0.000	0.103								
	2.55	0.16	0.10	92.32	0.47	643.38	1.1E-4	0.0243	0.0077	0.81	
0.0062	7.44E-5	0.000	0.103								
	2.50	0.15	0.10	92.98	0.47	638.57	1.1E-4	0.0240	0.0076	0.81	
0.0061	7.32E-5	0.000	0.103								
	2.45	0.15	0.10	93.64	0.47	633.65	1.1E-4	0.0236	0.0074	0.81	
0.0060	7.20E-5	0.000	0.103								
	2.40	0.15	0.10	94.30	0.47	628.63	1.1E-4	0.0232	0.0073	0.81	
0.0059	7.08E-5	0.000	0.103								
	2.35	0.14	0.09	94.96	0.47	623.51	1.1E-4	0.0227	0.0072	0.81	
0.0058	6.95E-5	0.000	0.103								
	2.30	0.14	0.09	95.61	0.47	618.28	1.1E-4	0.0223	0.0071	0.81	
0.0057	6.83E-5	0.000	0.103								
	2.25	0.14	0.09	96.27	0.47	612.93	1.1E-4	0.0219	0.0069	0.81	
0.0056	6.69E-5	0.000	0.103								
	2.20	0.13	0.09	96.93	0.47	607.48	1.0E-4	0.0215	0.0068	0.81	
0.0055	6.56E-5	0.000	0.104								
	2.15	0.13	0.09	97.59	0.47	601.91	1.0E-4	0.0210	0.0066	0.81	
0.0054	6.43E-5	0.000	0.104								

				Liquefy. cal						
0.0052	2.10	0.13	0.08	98.25	0.47	596.21	1.0E-4	0.0206	0.0065	0.81
	6.29E-5	0.000	0.104							
0.0051	2.05	0.13	0.08	98.91	0.47	590.40	1.0E-4	0.0201	0.0064	0.81
	6.15E-5	0.000	0.104							
0.0050	2.00	0.12	0.08	99.57	0.47	584.46	9.9E-5	0.0197	0.0062	0.81
	6.01E-5	0.000	0.104							
0.0049	1.95	0.12	0.08	100.00	0.47	577.94	9.8E-5	0.0192	0.0061	0.81
	5.88E-5	0.000	0.104							
0.0048	1.90	0.12	0.08	100.00	0.47	570.49	9.6E-5	0.0188	0.0060	0.81
	5.76E-5	0.000	0.104							
0.0047	1.85	0.11	0.07	100.00	0.47	562.95	9.5E-5	0.0184	0.0058	0.81
	5.64E-5	0.000	0.104							
0.0046	1.80	0.11	0.07	100.00	0.47	555.30	9.4E-5	0.0180	0.0057	0.81
	5.52E-5	0.000	0.104							
0.0045	1.75	0.11	0.07	100.00	0.47	547.55	9.3E-5	0.0176	0.0056	0.81
	5.39E-5	0.000	0.104							
0.0044	1.70	0.10	0.07	100.00	0.47	539.68	9.1E-5	0.0172	0.0054	0.81
	5.27E-5	0.000	0.104							
0.0043	1.65	0.10	0.07	100.00	0.47	531.69	9.0E-5	0.0168	0.0053	0.81
	5.15E-5	0.000	0.104							
0.0042	1.60	0.10	0.06	100.00	0.47	523.59	8.9E-5	0.0164	0.0052	0.81
	5.02E-5	0.000	0.104							
0.0041	1.55	0.10	0.06	100.00	0.47	515.35	8.7E-5	0.0160	0.0051	0.81
	4.90E-5	0.000	0.104							
0.0040	1.50	0.09	0.06	100.00	0.47	506.98	8.6E-5	0.0156	0.0049	0.81
	4.77E-5	0.000	0.104							
0.0039	1.45	0.09	0.06	100.00	0.47	498.47	8.4E-5	0.0152	0.0048	0.81
	4.65E-5	0.000	0.104							
0.0038	1.40	0.09	0.06	100.00	0.47	489.81	8.3E-5	0.0148	0.0047	0.81
	4.52E-5	0.000	0.104							
0.0037	1.35	0.08	0.05	100.00	0.47	481.00	8.1E-5	0.0144	0.0045	0.81
	4.40E-5	0.000	0.104							
0.0036	1.30	0.08	0.05	100.00	0.47	472.01	8.0E-5	0.0140	0.0044	0.81
	4.27E-5	0.000	0.105							
0.0035	1.25	0.08	0.05	100.00	0.47	462.86	7.8E-5	0.0136	0.0043	0.81
	4.15E-5	0.000	0.105							
0.0034	1.20	0.07	0.05	100.00	0.47	453.52	7.7E-5	0.0132	0.0042	0.81
	4.03E-5	0.000	0.105							
0.0033	1.15	0.07	0.05	100.00	0.47	443.98	7.5E-5	0.0128	0.0040	0.81
	3.90E-5	0.000	0.105							
0.0032	1.10	0.07	0.04	100.00	0.47	434.23	7.4E-5	0.0124	0.0039	0.81
	3.78E-5	0.000	0.105							
0.0030	1.05	0.06	0.04	100.00	0.47	424.25	7.2E-5	0.0120	0.0038	0.81
	3.66E-5	0.000	0.105							
0.0029	1.00	0.06	0.04	100.00	0.47	414.04	7.0E-5	0.0116	0.0037	0.81
	3.53E-5	0.000	0.105							
0.0028	0.95	0.06	0.04	100.00	0.47	403.57	6.8E-5	0.0112	0.0035	0.81
	3.41E-5	0.000	0.105							
0.0027	0.90	0.06	0.04	100.00	0.47	392.81	6.7E-5	0.0107	0.0034	0.81
	3.29E-5	0.000	0.105							
0.0026	0.85	0.05	0.03	100.00	0.47	381.75	6.5E-5	0.0103	0.0033	0.81
	3.16E-5	0.000	0.105							
0.0025	0.80	0.05	0.03	100.00	0.47	370.36	6.3E-5	0.0099	0.0031	0.81
	3.03E-5	0.000	0.105							
0.0024	0.75	0.05	0.03	100.00	0.47	358.61	6.1E-5	0.0095	0.0030	0.81
	2.89E-5	0.000	0.105							
0.0023	0.70	0.04	0.03	100.00	0.47	346.46	5.9E-5	0.0090	0.0028	0.81
	2.75E-5	0.000	0.105							
0.0022	0.65	0.04	0.03	100.00	0.47	333.87	5.7E-5	0.0085	0.0027	0.81
	2.60E-5	0.000	0.105							
0.0020	0.60	0.04	0.02	100.00	0.47	320.78	5.4E-5	0.0080	0.0025	0.81
	2.45E-5	0.000	0.105							
	0.55	0.03	0.02	100.00	0.47	307.13	5.2E-5	0.0075	0.0024	0.81

Liquefy. cal										
0.0019	2.28E-5	0.000	0.105							
	0.50	0.03	0.02	100.00	0.47	292.85	5.0E-5	0.0069	0.0022	0.81
0.0018	2.11E-5	0.000	0.105							
	0.45	0.03	0.02	100.00	0.47	277.83	4.7E-5	0.0063	0.0020	0.81
0.0016	1.92E-5	0.000	0.105							
	0.40	0.02	0.02	100.00	0.47	261.95	4.4E-5	0.0057	0.0018	0.81
0.0015	1.75E-5	0.000	0.105							
	0.35	0.02	0.01	100.00	0.47	245.05	4.2E-5	0.0052	0.0017	0.81
0.0013	1.60E-5	0.000	0.105							
	0.30	0.02	0.01	100.00	0.47	226.88	3.9E-5	0.0047	0.0015	0.81
0.0012	1.43E-5	0.000	0.105							
	0.25	0.02	0.01	100.00	0.47	207.13	3.5E-5	0.0042	0.0013	0.81
0.0011	1.30E-5	0.000	0.105							
	0.20	0.01	0.01	100.00	0.47	185.28	3.1E-5	0.0037	0.0012	0.81
0.0010	1.14E-5	0.000	0.105							
	0.15	0.01	0.01	100.00	0.47	160.48	2.7E-5	0.0032	0.0010	0.81
0.0008	9.70E-6	0.000	0.105							
	0.10	0.01	0.00	100.00	0.47	131.07	2.2E-5	0.0025	0.0008	0.81
0.0006	7.67E-6	0.000	0.105							
	0.05	0.00	0.00	100.00	0.47	92.76	1.6E-5	0.0017	0.0005	0.81
0.0004	5.12E-6	0.000	0.105							
	0.00	0.00	0.00	100.00	0.47	5.28	9.0E-7	0.0010	0.0003	0.81
0.0003	3.11E-6	0.000	0.105							

Settlement of Unsaturated Sands=0.105 in.
 dsz is per each segment, dz=0.05 ft
 dsp is per each print interval, dp=0.05 ft
 S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=0.105 in.
 Differential Settlement=0.053 to 0.069 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf (1 tsf = 1 ton/ft² = 2 kip/ft²)
 1 atm (atmosphere) = 101.325 kPa (1 kPa = 1 kN/m² = 0.001 Mpa)
 SPT Field data from Standard Penetration Test (SPT)
 BPT Field data from Becker Penetration Test (BPT)
 qc Field data from Cone Penetration Test (CPT) [atm (tsf)]
 fs Friction from CPT testing [atm (tsf)]
 Rf Ratio of fs/qc (%)
 gamma Total unit weight of soil
 gamma' Effective unit weight of soil
 Fines Fines content [%]
 D50 Mean grain size
 Dr Relative Density
 sigma Total vertical stress [atm]
 sigma' Effective vertical stress [atm]
 sigC' Effective confining pressure [atm]
 rd Acceleration reduction coefficient by Seed
 a_max. Peak Ground Acceleration (PGA) in ground surface
 mZ Linear acceleration reduction coefficient X depth
 a_min. Minimum acceleration under linear reduction, mZ
 CRRv CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
 CRR7.5 Cyclic resistance ratio (M=7.5)
 Ksig Overburden stress correction factor for CRR7.5
 CRRm After magnitude scaling correction CRRm=CRRv * MSF
 MSF Magnitude scaling factor from M=7.5 to user input M

Liquefy.cal

CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F. S.	Calculated factor of safety against liquefaction
F. S. =CRRm/CSRsf	
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement
cal cul ati on CSRm=CSRsf / MSF*	
i nput ed fs	Cyclic stress ratio induced by earthquake with user
of Page C. MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLi q	No-Liquefy Soils

References:

-
1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T. L., and Idriss, I. M., eds., Technical Report NCEER 97-0022. SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
 2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
 3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center, Report No. EERC 2003-06 by R. B Seed and etc. April 2003.



HALEY & ALDRICH, INC.
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925.949.1012

23 October 2018
File No. 132864-002

Kimley-Horn and Associates, Inc.
765 The City Drive, Suite 200
Orange, California 92868

Attention: Ms. Rita Garcia
Project Manager

Subject: Review of Third Party Peer Review Response
Lady Luck Property
Stonefield 63 Condominiums
1017 West 141st Street
Gardena, California

Ladies and Gentlemen:

As requested, Haley & Aldrich, Inc. (Haley & Aldrich's) has performed a review of the 4 October 2018, "Response to Third Party Peer Review Letter," (RMA Response) prepared by RMA GeoScience (RMA) for the Stonefield 63 Condominiums project in Gardena, California. The RMA Response was prepared to address third-party peer review comments presented by Haley & Aldrich in the 19 September 2018, "Third Party Peer Review Letter," pertaining to RMA's 19 April 2018, "Geotechnical Investigation, Lady Luck Property."

Based on our review of the RMA Response, we conclude that RMA has adequately addressed the review comments presented in our 19 September 2018 third-party peer review letter.

We appreciate the opportunity to provide our professional services to you on this project. If you have any questions or require any additional information, please do not hesitate to call.

Sincerely yours,
HALEY & ALDRICH, INC.



Micah D. Hintz
Geotechnical Engineer

Greenhouse Gas Emissions Assessment



**Greenhouse Gas Emissions Assessment
for the proposed
Stonefield 63 Project
in the City of Gardena, California**

Prepared by:



Kimley-Horn and Associates, Inc.

765 The City Drive, Suite 200
Orange, California 92868
Contact: Mr. Ace Malisos
714.939.1030

October 2018

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Appendix A: Greenhouse Gas Emissions Data		

LIST OF ABBREVIATED TERMS

AB	Assembly Bill
CARB	California Air Resource Board
CCR	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CALGreen Code	California Green Building Standards Code
CPUC	California Public Utilities Commission
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CFC	Chlorofluorocarbon
CPP	Clean Power Plan
CCSP	Climate Change Scoping Plan
cy	cubic yard
EECAP	Energy Efficiency Climate Action Plan
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
FR	Federal Register
GHG	greenhouse gas
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
LCFS	Low Carbon Fuel Standard
CH ₄	Methane
MMTCO ₂ e	million metric tons of carbon dioxide equivalent
MTCO ₂ e	million tons of carbon dioxide equivalent
NHTSA	National Highway Traffic Safety Administration
NF ₃	nitrogen trifluoride
N ₂ O	nitrous oxide
PFC	Perfluorocarbon
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Government
Sf	square foot
SF ₆	sulfur hexafluoride
TAC	toxic air contaminants

1 INTRODUCTION

This report documents the results of a Greenhouse Gas (GHG) Emissions Assessment completed for the Stonefield 63 Project. The purpose of this GHG Emissions Assessment is to evaluate the potential construction and operational emissions associated with the proposed Project and determine the Project's level of impact on the environment.

1.1 PROJECT LOCATION

The Project site is in the County of Los Angeles (County), in the City of Gardena (City), approximately 9.5 miles south of downtown Los Angeles; see [Exhibit 1, *Regional Vicinity Map*](#). The Project site involves a 3.9-acre lot comprised of two parcels (APN 6115-017-036 and 6115-018-004), located at 14031 South Vermont Avenue and 1017 West 141st Street; see [Exhibit 2, *Site Vicinity Map*](#).

Regional access to the Project site is provided via the Glenn Anderson Freeway (Interstate 105 (I-105)), the Artesia Freeway (State Route 91 (SR-91)), and the Harbor Freeway (State Route 110 (SR-110)) located to the north, south, and east, respectively. Local access to the Project site is provided via South Vermont Avenue and a gated entry at the easterly West 141st Street cul-de-sac. A single driveway exists along the site's easterly frontage; however, a wall blocks its access.

1.2 PROJECT DESCRIPTION

The Project proposes to remove all existing onsite structures and develop a residential community consisting of 63 three-story attached townhomes, at a density of 24.57 units per net acre; see [Exhibit 3, *Conceptual Site Plan*](#). The Project proposes to remove all existing onsite improvements, including the asphalt parking lot and two casino-related buildings (approximately 9,940 SF) and construct 63 attached townhomes in 14 buildings (approximately 123,060 SF), with between four and five DU per building. The proposed buildings would be wood-frame construction, with all major building elements providing at least a 1-hour fire-resistance rating. The maximum proposed building height would be 35 feet (to top of roof).

All garages would be located away from public view. Two of the fourteen buildings would front South Vermont Avenue and two would front the western site boundary. The interior units would front three courtyards creating a village-like setting. The Project proposes a total of 9,800 SF of private open space in ground level patios and 36,707 SF of common and general open space in courtyards, paseos, and a tot lot. Additionally, approximately 22,500 SF of landscaping is proposed throughout. A total of 160 parking spaces, including resident and guest, are proposed.

Project Construction and Phasing

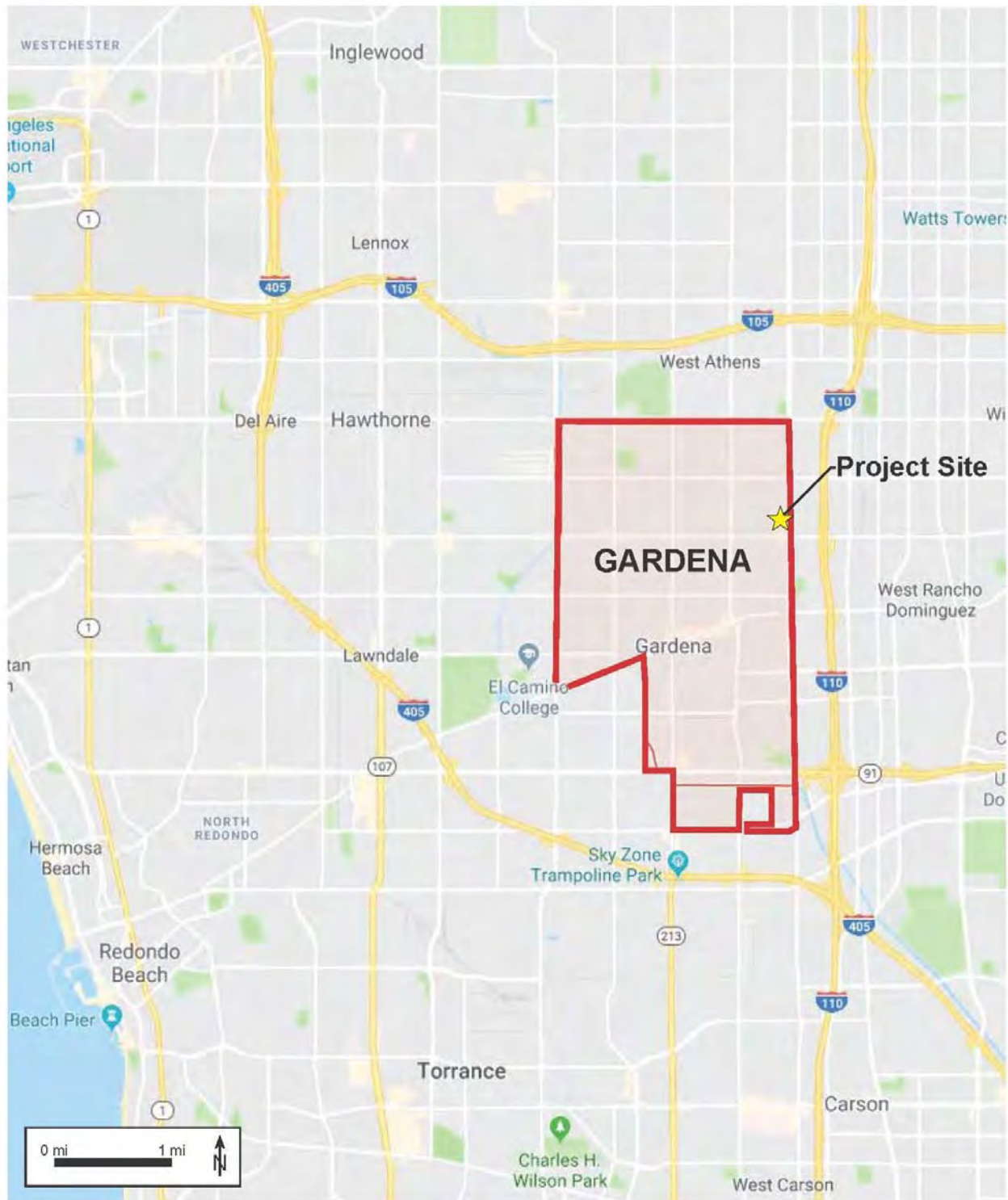
Project construction would occur beginning June 2019 and ending April 2021, in the following sequence:

- Demolition,
- Site preparation (vegetation removal),
- Grading,
- Building construction, and
- Paving, architectural coating, and landscaping.

Grading for the proposed improvements would require cut and fill to create building pads. Grading is estimated to require approximately 7,993 cubic yards of soil import. Final grading plans would be approved by the City Engineer before Grading Permit issuance. All infrastructure (i.e., storm drain, water, wastewater, dry utilities, and street improvements) would be installed during grading.

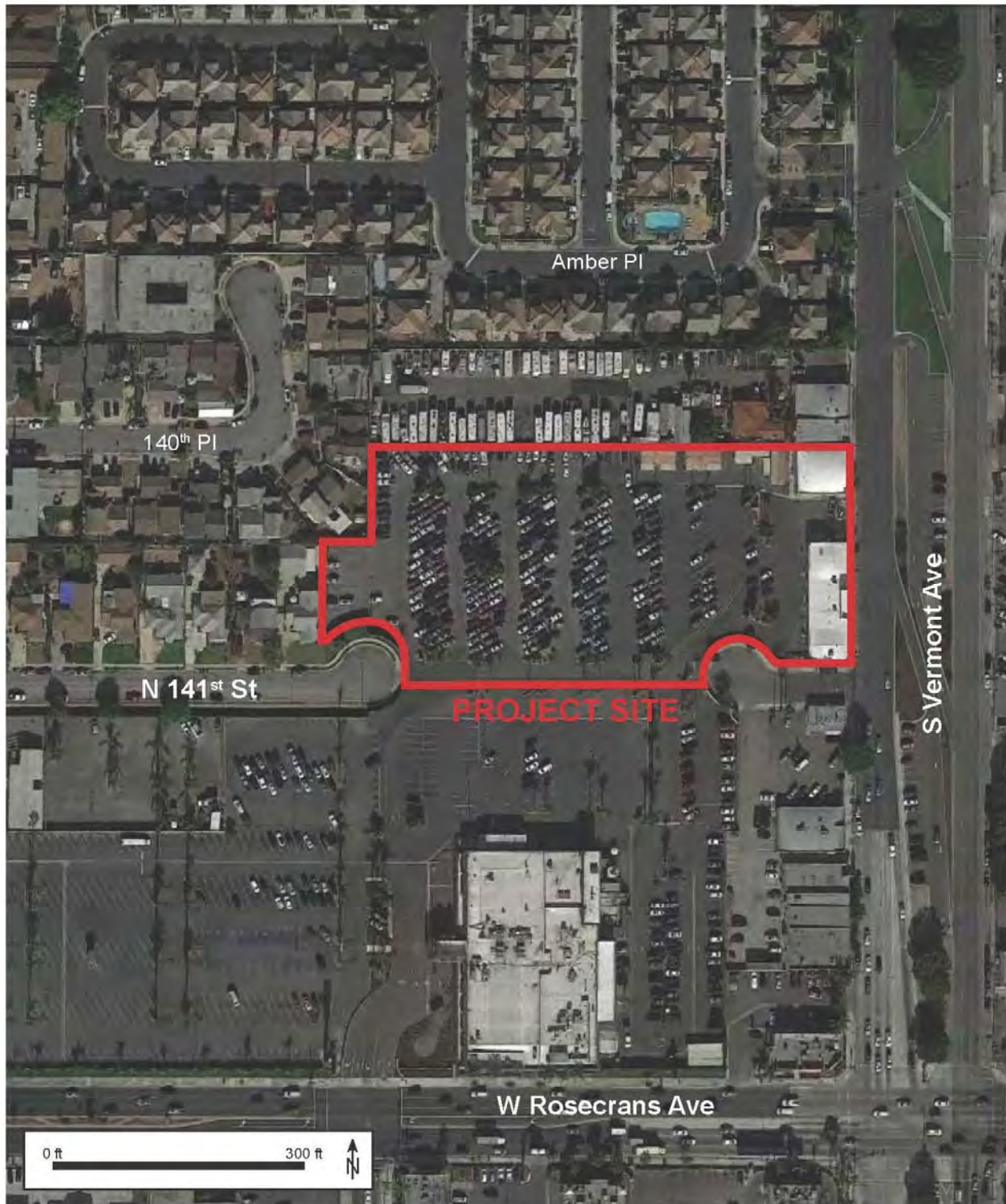
Home construction would occur over approximately six phases, the timing of which would be dependent upon market conditions. For purposes of this environmental analysis, opening year is assumed to be 2021.

Exhibit 1: Regional Vicinity Map



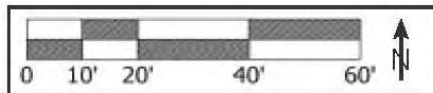
Source: Google Maps

Exhibit 2: Site Vicinity Map



Source: Google Earth

Exhibit 3: Conceptual Site Plan



2 ENVIRONMENTAL SETTING

2.1 GREENHOUSE GASES AND CLIMATE CHANGE

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (approximately one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO₂ is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO₂ emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO₂ emissions remains stored in the atmosphere². Table 1, *Description of Greenhouse Gases*, describes the primary GHGs attributed to global climate change, including their physical properties.

² Intergovernmental Panel on Climate Change, *Carbon and Other Biogeochemical Cycles*. In: *Climate Change 2013: The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. http://www.climatechange2013.org/images/report/WG1AR5_ALL_FINAL.pdf.

Greenhouse Gas	Description
Carbon Dioxide (CO ₂)	CO ₂ is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO ₂ emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO ₂ is variable because it is readily exchanged in the atmosphere. CO ₂ is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N ₂ O)	N ₂ O is largely attributable to agricultural practices and soil management. Primary human-related sources of N ₂ O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N ₂ O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N ₂ O is approximately 120 years. The Global Warming Potential of N ₂ O is 298.
Methane (CH ₄)	CH ₄ , a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, approximately 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH ₄ include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH ₄ is approximately 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays approximately 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF ₆)	SF ₆ is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF ₆ is 23,900.
Hydrochlorofluorocarbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF ₃)	NF ₃ was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.
Source: Compiled from U.S. EPA, <i>Overview of Greenhouse Gases</i> , April 11, 2018 (https://www.epa.gov/ghgemissions/overview-greenhouse-gases); U.S. EPA, <i>Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016</i> , 2018; Intergovernmental Panel on Climate Change, <i>Climate Change 2007: The Physical Science Basis</i> , 2007; National Research Council, <i>Advancing the Science of Climate Change</i> , 2010; U.S. EPA, <i>Methane and Nitrous Oxide Emission from Natural Sources</i> , April 2010.	

3 REGULATORY SETTING

3.1 FEDERAL

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Energy Independence and Security Act of 2007. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

U.S. Environmental Protection Agency Endangerment Finding. The U.S. Environmental Protection Agency's (EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, the EPA finalized an endangerment finding in December 2009. Based on scientific evidence, it found that six GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆) constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the EPA's assessment of the scientific evidence that form the basis for the EPA's regulatory actions.

Federal Vehicle Standards. In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ in model year

2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks. It should be noted that the EPA is currently proposing to freeze the vehicle fuel efficiency standards at their planned 2020 level (37 mpg), canceling any future strengthening (currently 54.5 mpg by 2026).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO₂ emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program.

Clean Power Plan and New Source Performance Standards for Electric Generating Units. On October 23, 2015, the EPA published a final rule (effective December 22, 2015) establishing the carbon pollution emission guidelines for existing stationary sources: electric utility generating units (80 Federal Register [FR] 64510–64660), also known as the Clean Power Plan (CPP). These guidelines prescribe how states must develop plans to reduce GHG emissions from existing fossil-fuel-fired electric generating units. The guidelines establish CO₂ emission performance rates representing the best system of emission reduction for two subcategories of existing fossil-fuel-fired electric generating units: one fossil-fuel-fired electric utility steam-generating unit and two stationary combustion turbines. Concurrently, the EPA published a final rule (effective October 23, 2015) establishing standards of performance for GHG emissions from new, modified, and reconstructed stationary sources: electric utility generating units (80 FR 64661–65120). The rule prescribes CO₂ emission standards for newly constructed, modified, and reconstructed affected fossil-fuel-fired electric utility generating units. The U.S. Supreme Court stayed implementation of the CPP pending resolution of several lawsuits. Additionally, in March 2017, the federal government directed the EPA Administrator to review the CPP to determine whether it is consistent with current executive policies concerning GHG emissions, climate change, and energy.

Presidential Executive Order 13783. Presidential Executive Order 13783, *Promoting Energy Independence and Economic Growth* issued on March 28, 2017, orders all federal agencies to apply cost-benefit analyses to regulations of GHG emissions and evaluations of the social cost of CO₂, N₂O, and CH₄.

3.2 STATE OF CALIFORNIA

California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of state and local air pollution control programs in California. Various statewide and local initiatives to reduce

California's contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO₂ equivalents (CO₂e) in the world and produced 459 million gross metric tons of CO₂e in 2013. In California, the transportation sector is the largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark Assembly Bill (AB) 32, *California Global Warming Solutions Act of 2006*, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major provisions of the legislation.

Assembly Bill 32 (California Global Warming Solutions Act of 2006). AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

CARB Scoping Plan. CARB adopted the Scoping Plan to achieve the goals of AB 32. The Scoping Plan establishes an overall framework for the measures that would be adopted to reduce California's GHG emissions. CARB determined that achieving the 1990 emissions level would require a reduction of GHG emissions of approximately 29 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as "business-as-usual").³ The Scoping Plan evaluates opportunities for sector-specific reductions, integrates early actions and additional GHG reduction measures by both CARB and the state's Climate Action Team, identifies additional measures to be pursued as regulations, and outlines the adopted role of a cap-and-trade program.⁴ Additional development of these measures and adoption of the appropriate regulations occurred through the end of 2013. Key elements of the Scoping Plan include:

- Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent by 2020.
- Developing a California cap-and-trade program that links with other programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions (adopted in 2011).
- Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets (several sustainable community strategies have been adopted).

³ CARB defines business-as-usual (BAU) in its Scoping Plan as emissions levels that would occur if California continued to grow and add new GHG emissions but did not adopt any measures to reduce emissions. Projections for each emission-generating sector were compiled and used to estimate emissions for 2020 based on 2002–2004 emissions intensities. Under CARB's definition of BAU, new growth is assumed to have the same carbon intensities as was typical from 2002 through 2004.

⁴ The Climate Action Team, led by the secretary of the California Environmental Protection Agency, is a group of State agency secretaries and heads of agencies, boards, and departments. Team members work to coordinate statewide efforts to implement global warming emissions reduction programs and the State's Climate Adaptation Strategy.

- Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, heavy-duty truck measures, the Low Carbon Fuel Standard (amendments to the Pavley Standard adopted 2009; Advanced Clean Car standard adopted 2012), goods movement measures, and the Low Carbon Fuel Standard (adopted 2009).
- Creating targeted fees, including a public goods charge on water use, fees on gasses with high global warming potential, and a fee to fund the administrative costs of California's long-term commitment to AB 32 implementation.

In 2012, CARB released revised estimates of the expected 2020 emissions reductions. The revised analysis relied on emissions projections updated in light of current economic forecasts that accounted for the economic downturn since 2008, reduction measures already approved and put in place relating to future fuel and energy demand, and other factors. This update reduced the projected 2020 emissions from 596 million metric tons of CO₂e (MMTCO₂e) to 545 MMTCO₂e. The reduction in forecasted 2020 emissions means that the revised business-as-usual reduction necessary to achieve AB 32's goal of reaching 1990 levels by 2020 is now 21.7 percent, down from 29 percent. CARB also provided a lower 2020 inventory forecast that incorporated state-led GHG emissions reduction measures already in place. When this lower forecast is considered, the necessary reduction from business-as-usual needed to achieve the goals of AB 32 is approximately 16 percent.

CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes the most recent science related to climate change, including anticipated impacts to California and the levels of GHG emissions reductions necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32.

In 2016, the Legislature passed Senate Bill (SB) 32, which codifies a 2030 GHG emissions reduction target of 40 percent below 1990 levels. With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017 CARB adopted a second update to the Scoping Plan⁵. The 2017 Scoping Plan details how the state will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017 Scoping plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and, support the Clean Power Plan and other Federal actions.

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit). Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008). Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional

⁵ California Air Resources Board, *California's 2017 Climate Change Scoping Plan*, https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf. Accessed May 9, 2018.

transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards). AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO₂e emissions and 75 percent fewer smog-forming emissions.

SB 1368 (Emission Performance Standards). SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the state. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO₂ per megawatt-hour.

SB 1078 and SBX1-2 (Renewable Electricity Standards). SB 1078 required California to generate 20 percent of its electricity from renewable energy by 2017. This goal was accelerated with SB 107, which changed the due date to 2010 instead of 2017. On November 17, 2008, Executive Order S-14-08 established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the state's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SB X1-2 codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015). Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 45 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the state's tone and guide the actions of state agencies.

Executive Order S-3-05. Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

- By 2010, reduce greenhouse gas emissions to 2000 levels.
- By 2020, reduce greenhouse gas emissions to 1990 levels.
- By 2050, reduce greenhouse gas emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07. Issued on January 18, 2007, Executive Order S-01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. CARB adopted the LCFS on April 23, 2009.

Executive Order S-13-08. Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order S-14-08. Issued on November 17, 2008, Executive Order S-14-08 expands the state's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the state come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09. Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California's RPS to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15. Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO₂e (MMTCO₂e). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the state's climate adaptation plan to be updated every three years and for the state to continue its climate change research program, among other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat, even with rapid population growth.

Title 20 Appliance Efficiency Regulations. The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

Title 24 Building Energy Efficiency Standards. California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6), was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2016 Building Energy Efficiency Standards approved on January 19, 2016 went into effect on January 1, 2017. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018 and take effect on January 1, 2020. Under the 2019 standards, homes will use approximately 53 percent less energy and nonresidential buildings will use approximately 30 percent less energy than buildings under the 2016 standards.

Title 24 California Green Building Standards Code. The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as the CALGreen Code, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and commercial buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code went into effect January 1, 2017.

3.3 REGIONAL

South Coast Air Quality Management District Thresholds

The South Coast Air Quality Management District (SCAQMD) formed a GHG California Environmental Quality Act (CEQA) Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. As of the last Working Group meeting (Meeting 15) held in September 2010, the SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency.

With the tiered approach, the Project is compared with the requirements of each tier sequentially and would not result in a significant impact if it complies with any tier. Tier 1 excludes projects that are specifically exempt from SB 97 from resulting in a significant impact. Tier 2 excludes projects that are consistent with a GHG reduction plan that has a certified final CEQA document and complies with AB 32 GHG reduction goals. Tier 3 excludes projects with annual emissions lower than a screening threshold. The SCAQMD is proposing a screening threshold of 10,000 metric tons of CO₂e (MTCO₂e) per year for industrial projects and 3,000 MTCO₂e for non-industrial projects. SCAQMD concluded that projects with emissions less than the screening threshold would not result in a significant cumulative impact.

Tier 4 consists of three decision tree options. Under the Tier 4 first option, SCAQMD initially outlined that a project would be excluded if design features and/or mitigation measures resulted in emissions 30 percent lower than business as usual emissions. However, the Working Group did not provide a recommendation for this approach. The Working Group folded the Tier 4 second option into the third option. Under the Tier 4 third option, the project would be excluded if it was below an efficiency-based threshold of 4.8 MTCO₂e per service population per year. Tier 5 would exclude projects that implement offsite mitigation (GHG reduction projects) or purchase offsets to reduce GHG emission impacts to less than the proposed screening level.

GHG efficiency metrics are utilized as thresholds to assess the GHG efficiency of a project on a per capita basis or on a service population basis (the sum of the number of jobs and the number of residents provided by a project) such that the project would allow for consistency with the goals of AB 32 (i.e., 1990 GHG emissions levels by 2020 and 2035). GHG efficiency thresholds can be determined by dividing the GHG emissions inventory goal of the state, by the estimated 2035 population and employment. This method allows highly efficient projects with higher mass emissions to meet the overall reduction goals of AB 32, and is appropriate, because the threshold can be applied evenly to all project types (residential or commercial/retail only and mixed use).

Southern California Association of Governments

On April 7, 2016, the Southern California Association of Governments (SCAG) Regional Council adopted the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)*. The RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The strategy was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The RTP/SCS is a long-range vision plan that balances future mobility and housing needs with economic, environmental, and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions.

3.4 LOCAL

City of Gardena Energy Efficiency Climate Action Plan

The City of Gardena, in concert with the South Bay Cities Council of Governments (SBCCOG) developed the City's Energy Efficiency Climate Action Plan (EECAP) in 2015. The EECAP demonstrates the City's commitment to providing a more livable, equitable, and economically vibrant community and sub-region through implementation of energy efficiency measures and subsequent reduction of GHG emissions. By using energy more efficiently, Gardena seeks to support the local economy, create new green jobs, and improve the community's quality of life. The EECAP energy efficiency measures are intended to be implemented in coordination with the City's other planning and land use decisions. The EECAP measures establish goals and policies that incorporate environmental responsibility into its daily management of its community and municipal operations. The EECAP includes emissions inventories, reduction targets, future projections, community GHG reduction strategies, and municipal GHG reduction strategies. The EECAP identifies a 2020 reduction target of 15 percent below 2005 levels by 2020 and 49 percent below 2005 levels by 2035.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 THRESHOLDS AND SIGNIFICANT CRITERIA

Based upon the criteria derived from CEQA Guidelines Appendix G, a project normally would have a significant effect on the environment if it would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment, based on any applicable threshold of significance; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

Addressing GHG emissions generation impacts requires an agency to determine what constitutes a significant impact. The amendments to the CEQA Guidelines specifically allow lead agencies to determine thresholds of significance that illustrate the extent of an impact and are a basis from which to apply mitigation measures. This means that each agency is left to determine whether a project's GHG emissions would have a "significant" impact on the environment. The guidelines direct that agencies are to use "careful judgment" and "make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" a project's GHG emissions (14 California Code of Regulations Section 15064.4(a)).

The City of Gardena has not adopted project-specific significance thresholds. For the proposed Project, the SCAQMD's proposed 3,000 MTCO₂e/yr non-industrial screening threshold is used as the significance threshold, in addition to the qualitative thresholds of significance set forth below from CEQA Guidelines Appendix G Section VII.

4.2 METHODOLOGY

The Project's construction and operational emissions were calculated using the California Emissions Estimator Model version 2016.3.2 (CalEEMod). Details of the modeling assumptions and emission factors are provided in [Appendix A, *Greenhouse Gas Emissions Data*](#). For construction, CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. The Project's construction-related GHG emissions were forecasted based on the proposed construction schedule and applying the mobile-source and fugitive dust emissions factors derived from CalEEMod. The Project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. The Project's operations-related GHG emissions would be generated by vehicular traffic, area sources (e.g., landscaping maintenance, consumer products), electrical generation, natural gas consumption, water supply and wastewater treatment, and solid waste.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 GREENHOUSE GAS EMISSIONS

Threshold 5.1 Would the Project generate greenhouse gas emissions, either directly or indirectly, that could have a significant impact on the environment?

Short-Term Construction Greenhouse Gas Emissions

The proposed Project would result in direct GHG emissions from construction-related activities. The approximate quantity of daily GHG emissions generated by construction equipment utilized to build the proposed Project is included in [Table 2, *Construction-Related Greenhouse Gas Emissions*](#).

Category	MTCO ₂ e
Total Construction Emissions	590
30-Year Amortized Construction	20

Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.

As shown in Table 2, Project construction-related activities would generate approximately 590 MTCO₂e over the course of construction. Construction GHG emissions are typically summed and amortized over the lifetime of the Project (assumed to be 30 years), then added to the operational emissions.⁶ The amortized Project emissions would be 20 MTCO₂e per year. Once construction is complete, the generation of construction-related GHG emissions would cease.

Long-Term Operational Greenhouse Gas Emissions

Operational or long-term emissions would occur over the life of the proposed Project. The Project's operational GHG emissions would result from direct emissions such as Project-generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to the Project site and wastewater from the Project site, the emissions associated with solid waste generated from the Project site, and any fugitive refrigerants from air conditioning or refrigerators. The Project's total operational GHG emissions are summarized in [Table 3, *Project Greenhouse Gas Emissions*](#). As shown in [Table 3](#), Project operational GHG emissions, combined with construction-related GHG emissions, would generate approximately 771 MTCO₂e annually. The proposed Project would not exceed the SCAQMD GHG threshold of 3,000 MTCO₂e per year, thus, Project-related GHG emissions would be less than significant and no mitigation is required.

⁶ The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, August 26, 2009).

Emissions Source	MTCO₂e per Year
Construction Amortized Over 30 Years	20
Area Source	14
Energy	167
Mobile	523
Waste	15
Water and Wastewater	32
Total	771
SCAQMD Project Threshold	3,000
Exceeds Threshold?	No
Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.	

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.2 GREENHOUSE GAS REDUCTION PLAN COMPLIANCE

Threshold 5.2 Would the Project conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing greenhouse gas emissions?

In 2015, the City of Gardena adopted the EECAP to improve energy efficiency and reduce GHG emissions. To develop this EECAP, a GHG emissions inventory was conducted to determine baseline greenhouse gas emissions from the community and from municipal operations for calendar year 2005 and 2012. A forecast was made of business-as-usual emissions in the absence of any emissions reduction actions. This forecast was then adjusted to account for the emissions reduction expected from statewide policies. To meet the City's GHG reductions target, the City would implement the additional local energy efficiency and GHG reduction measures described in the EECAP. Reaching the emissions reduction goals requires that residents, businesses, and City government work together.

The proposed Project would be subject to compliance with all building codes in effect at the time of construction, which include energy conservation measures mandated by California Building Standards Code Title 24 – Energy Efficiency Standards. Because Title 24 standards require energy conservation features in new construction (e.g., high-efficiency lighting, high-efficiency heating, ventilating, and air-conditioning (HVAC) systems, thermal insulation, double-glazed windows, water conserving plumbing fixtures), they indirectly regulate and reduce GHG emissions. California's Building Energy Efficiency Standards are updated on an approximately three-year cycle. The 2016 standards improved upon the 2013 standards for new construction of, and additions and alterations to, residential, commercial, and industrial buildings. The 2016 standards went into effect on January 1, 2017.

The Project proposes to incorporate several energy efficiency design features that would comply with Title 24 requirements, as well as the California Green Building Code standards that are consistent with the

Climate Action Plan's efficiency measures. The Project is an infill development within an urbanized/developed area and would generate GHG emissions well below SCAQMD thresholds (771 MTCO₂e/yr). The proposed Project demonstrates consistency with EECAP goals, measures, and emission reduction targets. The proposed Project would not conflict with any applicable plan, policy or regulation of an agency adopted to reduce GHG emissions, including Title 24, AB 32, SB 32, and the CAP; thus, Project impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.3 CUMULATIVE SETTING, IMPACTS, AND MITIGATION MEASURES

Cumulative Setting

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (approximately one day), GHGs have much longer atmospheric lifetimes of one year to several thousand years that allow them to be dispersed around the globe.

Cumulative Impacts and Mitigation Measures

It is generally the case that an individual project of the proposed Project's size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of Project-related GHG emissions would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the proposed Project as well as other cumulative related projects, would be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As shown in [Table 3](#), the proposed Project's GHG emissions would be less than significant. Additionally, as discussed above, the Project would be consistent with the City's EECAP. As a result, the Project would not conflict with any GHG reduction plans. Therefore, the Project's cumulative contribution of GHG emissions would be less than significant and the Project's cumulative GHG impacts would also be less than cumulatively considerable.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

1. California Air Resources Board, *California's 2017 Climate Change Scoping Plan*, 2017.
2. City of Gardena, *City of Gardena Energy Efficiency Climate Action Plan*, December 2015.
3. KTG Architecture and Planning, *Stonefield Site Plans*, July 2018.
4. Kimley-Horn and Associates, *Traffic Impact Analysis for the Stonefield 63 Project in the City of Gardena*, October 2018.
5. Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007.
6. Intergovernmental Panel on Climate Change, *Climate Change 2013: The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013.
7. National Research Council, *Advancing the Science of Climate Change*, 2010.
8. Southern California Association of Governments, *Regional Transportation Plan/Sustainable Communities Strategy*, 2016.
9. South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, 2009.
10. U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018.
11. U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, 2010.
12. U.S. EPA, *Overview of Greenhouse Gases*, 2018.

Appendix A

Greenhouse Gas Emissions Data
