

**A study into the natural occurrence of inorganic ions relevant to forensic explosives investigations on human hands -
Supplementary Information**

A: Participant overview

B: Technical Data Sheet B. Braun swabs

C: Participant questionnaire

D: Confirmatory IC-MS method for ammonium

E: Additional anion peaks (extract of D20 Left hand)

F: Swab efficiency

G: Ion occurrence (n=297)

H: Effect of monitored activities (n=50)

Supplementary Information A: Participant overview

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
1	Female	25	NL	Zuid-Holland	Right	No	Lab worker	Ink	06:00	
2	Female	44	NL	Zuid-Holland	Right	No	Forensic explosives expert	-	01:30	
3	Female	26	NL	Zuid-Holland	Right	No	Researcher	-	02:00	
4	Female	24	NL	Zuid-Holland	Right	No	Forensic researcher	Perspiration	03:00	
5	Male	48	NL	Zuid-Holland	Right	No	Researcher	-	00:05	
6	Male	26	NL	Zuid-Holland	Right	No	Research intern	Acryl paint residues	01:30	
7	Male	44	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	03:00	
8	Female	50	NL	Noord-Brabant	Right	N.S.	Police officer	-	00:00	Used hand sanitizer
9	Male	N.S.	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	02:00	
10	Male	61	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	04:00	
11	Male	38	NL	Noord-Brabant	Left	N.S.	Police officer	-	03:08	
12	Male	42	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	12:00	
13	Male	48	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	02:30	
14	Male	53	NL	Noord-Brabant	Right	N.S.	Handyman	-	02:00	
15	Male	57	NL	Noord-Brabant	Right	N.S.	Military service member	Dirt under the nails	01:00	
16	Male	50	NL	Noord-Brabant	Right	N.S.	Office worker	-	03:00	
17	Male	49	NL	Noord-Brabant	Left	N.S.	Forensic investigator	-	03:00	
18	Male	49	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	02:00	Carries firearm
19	Male	58	NL	Noord-Brabant	Right	N.S.	Forensic investigator	-	N.S.	
20	Female	56	NL	Noord-Holland	Right	N.S.	Sales representative	Sugar	05:00	
21	Female	23	NL	Zuid-Holland	Right	N.S.	Unemployed	Brown stains, perspiration	N.S.	
22	Male	58	NL	Limburg	Right	N.S.	Business office employee	-	04:00	
23	Male	84	NL	Limburg	Right	N.S.	Retiree	Healing burn wound	01:30	
24	Female	84	NL	Limburg	Right	N.S.	Retiree	-	01:00	
25	Male	53	NL	Limburg	Right	N.S.	Damage claim handler	-	02:00	
26	Male	57	NL	Limburg	Right	N.S.	Unemployed	-	04:00	
27	Female	54	NL	Limburg	Right	N.S.	Unemployed	-	04:00	
28	Female	28	NL	Limburg	Right	Yes	Wellfare worker	-	12:00	
29	Female	26	NL	Limburg	Right	Yes	Recruiter	-	00:30	
30	Male	36	NL	Limburg	Right	N.S.	Office worker	Ink	01:00	
31	Female	25	NL	Noord-Brabant	Right	No	Student	-	01:30	
32	Female	20	NL	Noord-Brabant	Right	No	Pharmacy assistant	-	02:00	
33	Female	21	NL	Noord-Brabant	Right	No	Pharmacy assistant	-	02:00	
34	Female	20	NL	Noord-Brabant	Right	No	Pharmacy assistant	-	02:00	
35	Male	41	NL	Zuid-Holland	Right	No	Stay-at-home parent	-	02:00	
36	Female	44	NL	Zuid-Holland	Right	No	Content manager	Perspiration	07:00	
37	Male	39	NL	Zuid-Holland	Right	No	Research engineer	Perspiration	02:15	
38	Male	73	NL	Zuid-Holland	Both	No	Unemployed	-	02:30	
39	Male	72	NL	Zuid-Holland	Right	Yes	Unemployed	Dark stains	04:00	
40	Male	41	NL	Zuid-Holland	Right	Yes	Office worker	-	02:00	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
41	Female	60	NL	Noord-Holland	Right	No	Hospitality worker	-	00:30	
42	Male	63	NL	Noord-Holland	Right	No	Hospitality worker	-	00:30	
43	Female	46	NL	Noord-Holland	Left	No	Hospitality worker	-	01:00	
44	Female	25	NL	Noord-Holland	Right	No	Lab worker	-	00:45	
45	Male	62	NL	Friesland	Right	No	Manager	-	01:30	
46	Male	25	NL	Noord-Holland	Right	Occasionally	Lab worker	-	00:05	
47	Female	25	NL	Friesland	Right	No	Office worker	-	01:30	
48	Female	83	NL	Friesland	Right	No	Retiree	-	01:55	
49	Female	23	NL	Noord-Holland	Right	No	Lab worker	-	01:00	
50	Male	25	NL	Noord-Holland	Right	No	Lab worker	-	01:00	
51	Female	31	NL	Friesland	Right	No	Horse keeper	Horse sebum	02:00	
52	Male	23	NL	Noord-Holland	Left	No	Lab worker	Red blister	00:05	
53	Male	26	NL	Friesland	Right	No	Agricultural vehicles mechanic	Motor oil	00:30	
54	Male	21	NL	Zuid-Holland	Right	No	Research intern	Callus	02:00	
55	Female	24	NL	Utrecht	Left	Occasionally	Online marketeer	Perspiration	02:00	
56	Female	52	NL	Utrecht	Right	No	Unemployed	-	03:00	
57	Female	25	NL	Utrecht	Right	No	Goldsmith	-	02:00	
58	Female	19	NL	Utrecht	Left	No	Florist	-	00:15	
59	Male	21	NL	Utrecht	Right	No	Student	-	12:00	
60	Female	14	NL	Noord-Brabant	Right	No	Pupil	-	12:00	
61	Male	55	NL	Noord-Brabant	Right	No	Police officer	-	00:30	
62	Male	45	NL	Noord-Brabant	Right	No	Police officer	Lots of calluses	03:00	
63	Male	30	NL	Noord-Brabant	Right	No	Forensic investigator	-	00:05	
64	Male	55	NL	Noord-Brabant	Right	No	Police detective	-	01:30	
65	Female	36	NL	Noord-Brabant	Right	No	Forensic investigator	-	01:00	
66	Male	43	NL	Noord-Brabant	Right	Yes	Weapons/explosives expert	-	00:45	
67	Male	40	NL	Noord-Brabant	Right	Yes	Hunter	-	01:00	
68	Male	43	NL	Noord-Brabant	Right	No	Forensic investigator	Perspiration	02:00	
69	Male	34	NL	Noord-Brabant	Right	No	Forensic investigator	-	00:10	
70	Female	43	NL	Noord-Brabant	Right	No	Forensic investigator	-	00:10	
71	Male	38	NL	Noord-Brabant	Right	No	Forensic investigator	-	00:10	
72	Male	31	NL	Noord-Brabant	Left	No	Forensic investigator	-	01:00	
73	Female	25	NL	Zuid-Holland	Right	No	Research intern	-	03:00	
74	Female	45	NL	Zuid-Holland	Right	No	Forensic explosives researcher	-	00:30	
75	Male	49	SE	Norra Sorunda	Right	Yes	Research director/project leader	-	00:00	
76	Male	50	SE	Norra Sorunda	Right	Yes	Research scientist	-	04:00	
77	Male	41	SE	Norra Sorunda	Right	No	Research scientist	-	02:00	
78	Male	42	SE	Norra Sorunda	Right	No	Explosives technician	-	01:15	
79	Male	58	SE	Norra Sorunda	Right	No	Explosives technician	-	00:00	
80	Male	39	SE	Norra Sorunda	Right	No	Analytical chemist (explosives)	-	00:40	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
81	Male	61	SE	Norra Sorunda	Right	No	Analytical chemist	-	00:20	
82	Male	25	SE	Norra Sorunda	Left	No	Researcher/Explosives technician	Ink	00:10	
83	Female	55	SE	Norra Sorunda	Right	No	Technician	-	01:00	
84	Male	63	SE	Norra Sorunda	Right	No	Research scientist	-	00:20	
85	Female	62	NL	Zeeland	Right	No	Retiree	-	04:00	
86	Male	69	NL	Zeeland	Left	No	Teacher	-	10:00	
87	Female	34	NL	Zeeland	Right	No	Teacher	-	00:15	
88	Male	68	NL	Zeeland	Left	No	Retiree	-	01:00	
89	Male	32	NL	Zeeland	Right	No	Online marketeer	-	03:00	
90	Male	18	NL	Flevoland	Right	No	Sports trainer	-	04:00	
91	Female	20	NL	Flevoland	Right	No	Nurse	Perspiration	10:30	
92	Male	27	NL	Flevoland	Right	No	Data scientist	Perspiration	03:00	
93	Male	27	NL	Flevoland	Right	No	Software developer	-	11:00	
94	Male	24	NL	Flevoland	Right	No	AI engineer	-	08:00	
95	Female	20	NL	Overijssel	Right	No	Hospitality worker	Black stains, perspiration	N.S.	
96	Male	37	NL	Overijssel	Right	No	Real estate advisor	Green marker, perspiration	N.S.	
97	Female	37	NL	Overijssel	Right	No	Housing consultant	-	02:00	
98	Female	29	NL	Overijssel	Left	No	Office worker	-	01:30	
99	Male	52	NL	Overijssel	Right	No	Manager	-	01:00	
100	Male	49	NL	Drenthe	Right	No	Project leader/Analist at NFI	-	03:00	
101	Male	77	NL	Drenthe	Right	No	Unemployed	Grey/black stains	01:30	
102	Female	80	NL	Drenthe	Right	No	Retiree	-	01:00	
103	Male	29	NL	Drenthe	Right	No	Police officer	-	01:50	
104	Female	56	NL	Drenthe	Right	No	Administrative worker	-	02:00	
105	Male	41	NL	Groningen	Right	No	Chemist	Charcoal	01:30	
106	Female	38	NL	Groningen	Right	No	Remedial educationalist	-	02:00	
107	Male	68	NL	Groningen	Right	No	Retiree	-	01:00	Washed without soap
108	Male	27	NL	Groningen	Right	No	Retail manager	Perspiration	01:30	
109	Female	28	NL	Groningen	Left	No	Nurse	-	02:00	
110	Female	23	NL	Gelderland	Right	Yes	Research intern	Small wart	03:00	
111	Male	26	NL	Gelderland	Right	No	Webdeveloper	-	00:30	
112	Male	25	NL	Gelderland	Right	No	Management trainee	-	00:30	
113	Male	26	NL	Gelderland	Right	No	Software engineer	-	00:30	
114	Male	25	NL	Gelderland	Right	No	Consultant	-	04:30	
115	Male	21	NL	Limburg	Right	Yes	Car mechanic	Black stains	00:20	
116	Male	36	NL	Limburg	Right	Yes	Car mechanic	Black stains	00:30	
117	Male	24	NL	Limburg	Right	Yes	Car mechanic	Black stains	00:10	
118	Male	35	NL	Limburg	Left	Yes	Car mechanic	Blue stains	00:05	
119	Male	29	NL	Zeeland	Right	No	Car mechanic	-	01:30	
120	Male	43	NL	Noord-Brabant	Right	No	Waste processing worker	-	02:00	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
121	Male	36	NL	Noord-Brabant	Left	No	Waste processing worker	-	00:30	
122	Male	49	NL	Noord-Brabant	Right	No	Waste processing worker	-	00:30	
123	Female	23	NL	N.S.	Right	N.S.	Intern explosives investigation	-	N.S.	
124	Male	41	USA	Baltimore	Right	No	N.S.	Perspiration	01:00	
125	Female	44	USA	Baltimore	Right	No	N.S.	Perspiration	02:00	
126	Male	45	USA	Baltimore	Right	No	N.S.	-	01:00	
127	Female	47	USA	Baltimore	Right	No	N.S.	-	03:00	
128	Male	35	USA	Baltimore	Right	No	N.S.	-	02:00	
129	Female	60	USA	Baltimore	Left	No	N.S.	-	01:00	
130	Male	60	USA	Baltimore	Right	No	N.S.	-	03:00	
131	Male	29	USA	Baltimore	Right	No	N.S.	-	01:00	
132	Male	36	USA	Baltimore	Right	No	N.S.	-	01:00	
133	Female	31	USA	Boston	Right	No	N.S.	-	02:00	
134	Female	28	USA	Boston	Right	No	N.S.	-	01:00	
135	Male	52	USA	Boston	Right	No	N.S.	-	00:15	
136	Female	33	USA	Boston	Right	No	N.S.	Perspiration	00:20	
137	Male	56	USA	Boston	Right	No	N.S.	-	00:02	
138	Male	29	USA	Boston	Right	No	N.S.	-	00:02	
139	Female	26	USA	Boston	Right	No	N.S.	-	00:30	
140	Female	25	USA	Boston	Right	No	N.S.	Ink	01:00	
141	Female	33	USA	Boston	Left	No	N.S.	Eczema	01:00	
142	Female	27	USA	Boston	Right	No	N.S.	-	00:40	
143	Male	55	USA	Detroit	Right	No	N.S.	-	03:00	
144	Female	62	USA	Detroit	Right	No	N.S.	-	01:00	
145	Male	23	USA	Detroit	Right	No	N.S.	-	00:03	
146	Male	33	USA	Detroit	Right	No	N.S.	-	01:00	
147	Male	N.S.	USA	Detroit	N.S.	No	N.S.	Motor oil	02:00	
148	Male	50	USA	Detroit	Right	No	N.S.	-	03:00	
149	Male	56	USA	Detroit	Right	No	N.S.	-	01:00	
150	Female	46	USA	Detroit	Right	No	N.S.	-	06:00	
151	Male	50	USA	Detroit	Right	No	N.S.	-	02:00	
152	Female	41	USA	Detroit	Left	No	N.S.	-	02:00	
153	Male	50	USA	Dallas	Right	No	N.S.	-	01:00	
154	Female	37	USA	Dallas	Right	No	N.S.	Ink	01:00	
155	Female	25	USA	Dallas	Right	No	N.S.	-	02:00	
156	Male	47	USA	Dallas	Left	No	N.S.	-	00:20	
157	Female	33	USA	Dallas	Right	No	N.S.	-	03:00	
158	Male	48	USA	Dallas	Right	No	N.S.	-	00:30	
159	Male	34	USA	Dallas	Right	No	N.S.	-	03:00	
160	Female	27	USA	Dallas	Right	No	N.S.	-	03:00	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
161	Male	24	USA	Dallas	Left	No	N.S.	-	00:20	
162	Male	49	USA	San Francisco	Right	No	N.S.	Dirt	01:00	
163	Female	29	USA	San Francisco	Left	No	N.S.	-	01:00	
164	Male	41	USA	San Francisco	Right	No	N.S.	-	00:30	
165	Female	22	USA	San Francisco	Right	No	N.S.	-	00:30	
166	Male	33	USA	San Francisco	Right	No	N.S.	-	02:00	
167	Male	43	USA	San Francisco	Right	No	N.S.	-	01:00	
168	Female	62	USA	San Francisco	Right	No	N.S.	-	03:00	
169	Female	29	USA	San Francisco	Right	No	N.S.	-	01:00	
170	Female	24	USA	San Francisco	Right	No	N.S.	-	00:30	
171	Female	32	USA	San Francisco	Right	No	N.S.	Black ink	01:00	
172	Female	41	USA	Tampa	Right	No	N.S.	-	01:10	
173	Male	48	USA	Tampa	Right	No	N.S.	Open blister	04:00	
174	Female	42	USA	Tampa	Right	No	N.S.	-	02:00	
175	Male	39	USA	Tampa	Right	No	N.S.	-	00:15	
176	Male	38	USA	Tampa	Right	No	N.S.	-	00:02	
177	Male	34	USA	Tampa	Right	No	N.S.	-	00:10	
178	Male	48	USA	Tampa	Right	No	N.S.	-	02:00	
179	Female	50	USA	Tampa	Right	No	N.S.	-	00:05	
180	Male	46	USA	Tampa	Right	No	N.S.	-	02:00	
181	Female	31	USA	Tampa	Right	No	N.S.	-	04:00	
182	Female	35	USA	New Orleans	Right	No	N.S.	-	00:05	
183	Male	24	USA	New Orleans	Right	No	N.S.	-	02:00	
184	Female	27	USA	New Orleans	Right	No	N.S.	-	02:30	
185	Female	32	USA	New Orleans	Right	No	N.S.	-	02:00	
186	Female	54	USA	New Orleans	Right	No	N.S.	-	02:00	
187	Female	36	USA	New Orleans	Right	No	N.S.	-	02:00	
188	Female	37	USA	New Orleans	Right	No	N.S.	-	00:05	
189	Female	39	USA	New Orleans	Right	No	N.S.	-	00:10	
190	Female	27	USA	Omaha	Right	No	N.S.	-	00:30	
191	Female	24	USA	Omaha	Right	No	N.S.	-	02:00	
192	Female	53	USA	Omaha	Right	No	N.S.	Ink (tiny amount)	00:20	
193	Male	37	USA	Omaha	Right	No	N.S.	-	02:00	
194	Female	28	USA	Omaha	Right	No	N.S.	-	02:00	
195	Female	27	USA	Omaha	Right	No	N.S.	-	00:15	
196	Male	57	USA	Omaha	Left	No	N.S.	Grease, dirt	03:00	
197	Female	39	USA	Omaha	Right	No	N.S.	-	03:00	
198	Female	34	USA	Omaha	Right	No	N.S.	-	04:00	
199	Female	38	USA	Omaha	Right	No	N.S.	-	02:00	
200	Female	24	USA	Las Vegas	Right	No	N.S.	-	01:00	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
201	Female	30	USA	Las Vegas	Right	No	N.S.	-	02:00	
202	Male	28	USA	Las Vegas	Right	No	N.S.	-	00:02	
203	Female	38	USA	Las Vegas	Left	No	N.S.	-	02:00	
204	Male	34	USA	Las Vegas	Left	No	N.S.	-	02:00	
205	Female	51	USA	Las Vegas	Right	No	N.S.	-	02:00	
206	Male	49	USA	Las Vegas	Right	No	N.S.	-	01:30	
207	Female	40	USA	Las Vegas	Right	No	N.S.	-	01:30	
208	Male	24	USA	Las Vegas	Left	No	N.S.	-	02:00	
209	Male	33	USA	Las Vegas	Right	No	N.S.	-	04:00	
210	Male	52	USA	San Diego	Right	No	N.S.	-	00:10	
211	Male	35	USA	San Diego	Right	No	N.S.	-	00:10	
212	Male	36	USA	San Diego	Right	No	N.S.	-	01:00	
213	Female	27	USA	San Diego	Right	No	N.S.	-	02:00	
214	Female	27	USA	San Diego	Right	No	N.S.	-	03:30	
215	Female	N.S.	USA	San Diego	Right	No	N.S.	-	00:30	
216	Female	30	USA	San Diego	Right	No	N.S.	-	02:00	
217	Male	41	USA	San Diego	Right	No	N.S.	-	01:00	
218	Female	32	USA	San Diego	Right	No	N.S.	-	00:30	
219	Female	30	USA	San Diego	Right	No	N.S.	-	02:00	
220	Male	46	NL	Noord-Brabant	Both	Yes	Waste processing worker	-	00:30	
221	Male	20	NL	Noord-Brabant	Right	Yes	Waste processing worker	-	01:00	
222	Male	27	NL	Flevoland	Right	No	Farmer	-	00:15	
223	Male	23	NL	Zeeland	Left	No	Farmer	-	04:00	
224	Male	55	NL	Zuid-Holland	Right	No	Farmer	-	00:15	
225	Female	49	NL	Zuid-Holland	Right	No	Forensic researcher	-	01:00	Gardener
226	Female	28	NL	Zuid-Holland	Right	No	Office worker	-	02:30	Gardener
227	Female	59	NL	Zuid-Holland	Right	No	Professional cleaner	-	00:30	
228	Female	N.S.	NL	Zuid-Holland	Right	No	Professional cleaner	-	03:00	
229	Female	65	NL	Zuid-Holland	Right	No	Professional cleaner	-	00:45	
230	Female	32	NL	Zuid-Holland	Right	No	Professional cleaner	-	00:30	
231	Female	49	NL	Zuid-Holland	Left	No	Professional cleaner	-	00:05	
232	Male	67	NL	Zuid-Holland	Right	No	Dentist (hobby shooter)	-	01:00	
233	Male	58	NL	Zuid-Holland	Right	No	Shoemaker (hobby shooter)	Glue, paint, wax	01:30	
234	Male	35	NL	Zuid-Holland	Right	No	Driver (hobby shooter)	-	06:00	
235	Male	24	NL	Zuid-Holland	Right	No	Software marketeer (hobby shooter)	-	04:00	
236	Male	58	NL	Zuid-Holland	Right	Yes	Representative (hobby shooter)	-	01:00	
237	Female	22	NL	Noord-Brabant	Right	No	Hospitality worker	-	03:00	
238	Male	54	NL	Utrecht	Right	No	Information manager	-	12:00	
239	Male	54	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
240	Male	N.S.	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
241	Female	42	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
242	Male	66	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
243	Male	53	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
244	Male	N.S.	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
245	Male	N.S.	NL	Utrecht	N.S.	N.S.	N.S. (hobby shooter)	-	N.S.	
246	Male	N.S.	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
247	Male	56	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
248	Female	53	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
249	Male	64	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
250	Male	61	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
251	Male	65	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
252	Male	63	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
253	Male	64	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
254	Male	69	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
255	Male	60	NL	Utrecht	Left	N.S.	N.S. (hobby shooter)	-	N.S.	
256	Male	36	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
257	Male	67	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	-	N.S.	
258	Female	20	NL	Utrecht	Right	N.S.	N.S. (hobby shooter)	Perspiration, stains	N.S.	
259	Male	22	NL	Utrecht	Right	Yes	Retail worker	Dirt	03:00	
260	Female	20	NL	Utrecht	Right	Yes	Bartender	-	00:30	
261	Female	26	NL	Utrecht	Right	Yes	Bartender	No	00:30	
262	Female	22	NL	Gelderland	Right	Yes	Retail worker	-	01:00	
263	Male	25	NL	Gelderland	Right	Yes	Hospitality worker	-	00:30	
264	Female	22	NL	Utrecht	Left	Yes	Student	-	00:10	
265	Male	26	NL	Utrecht	Right	No	Teacher	Ink	01:00	
266	Female	21	NL	Utrecht	Right	No	Hospitality worker	-	00:20	
267	Female	26	NL	Gelderland	Right	No	Self-employed retailer	-	00:15	
268	Female	29	NL	Gelderland	Right	No	Secretary	-	02:00	
269	Female	47	ES	Madrid	Right	No	Chemist	-	00:20	
270	Female	46	ES	Madrid	Right	No	Police officer	-	06:00	
271	Male	46	ES	Madrid	Right	No	Police officer	-	02:00	
272	Male	64	ES	Madrid	Right	Yes	Police officer	-	05:00	
273	Female	62	ES	Madrid	Right	No	Secretary	-	01:00	
274	Male	46	ES	Madrid	Right	No	Police officer	-	05:00	
275	Male	41	ES	Madrid	Left	No	Police officer	-	05:00	
276	Male	61	ES	Madrid	Right	No	Administrative worker	-	06:00	
277	Male	48	ES	Madrid	Right	No	Administrative worker	-	06:00	
278	Male	56	ES	Madrid	Right	No	Police officer	-	05:00	
279	Female	54	NI	Belfast	Right	No	Civil servant	-	01:00	
280	Female	22	NI	Belfast	Right	No	Healthcare worker	-	01:00	

Participant	Sex	Age	Country	Area	Dominant hand	Tobacco use	Profession	Visual irregularities on the hands	Time since hand washing (hh:mm)	Other comments
281	Male	23	NI	Belfast	Right	No	Student	-	02:00	
282	Female	28	NI	Belfast	Right	No	Administrative worker	-	00:05	
283	Male	76	NI	Belfast	Right	No	Retiree	-	04:38	
284	Male	53	NI	Belfast	Right	No	Police officer	-	02:00	
285	Male	25	NI	Belfast	Left	No	Carer	-	00:45	
286	Female	41	NI	Belfast	Left	No	Police officer	-	01:00	
287	Male	54	NI	Belfast	Right	No	Police officer	Ink	04:00	
288	Female	53	NI	Belfast	Right	No	Insurance agent	-	03:00	
289	Male	26	NI	Belfast	Left	Yes	Student	-	00:30	
290	Male	50	NL	Utrecht	Right	No	Arresting officer	-	02:00	
291	Male	36	NL	Utrecht	Right	No	Arresting officer	-	00:30	
292	Male	36	NL	Utrecht	Right	No	Arresting officer	-	01:00	
293	Male	28	NL	Utrecht	Right	No	Arresting officer	-	02:00	
294	Male	42	NL	Utrecht	Right	No	Arresting officer	-	01:00	
295	Male	45	NL	Utrecht	Right	No	Arresting officer	-	03:00	
296	Male	36	NL	Utrecht	Left	Occasionally	Arresting officer	-	06:00	
297	Male	45	NL	Utrecht	Right	No	Arresting officer	-	01:00	

Supplementary Information B: Technical Data Sheet B. Braun swabs



Alcohol Pads B. Braun | Technical Data Sheet

Pads for Skin Cleansing – Isopropyl Alcohol 70% (non sterile)



	Alcohol Pads B. Braun		
REF	9160612		
PAD SIZE	Folded	32.5 mm x 30 mm	
	Unfolded	65 mm x 30 mm	
INGREDIENTS (INCI NAME)	Isopropyl Alcohol, Aqua		
MATERIALS/COMPOSITION	Solution of isopropanol	2-Propanol	70 percent by volume
		Purified water	ad. 100 volume percent
	Each pad is soaked with 0.62 g (Δ 0.7 ml) of an aqueous solution of isopropanol (70 vol. %) equivalent to 0.39 g (Δ 0.49 ml) isopropanol		
	Wipe	Polypropylene	100 percent by weight
		No chemical binders	
LOGISTICS	Packaging	Individually foil-wrapped, air-tight seal	
		Box with 100 pieces	
	Shelf life	4 years	
STERILIZATION	Non sterile		
APPLIED STANDARDS	Regulation EC 1223/2009 on cosmetic products		
	ISO 22716:2007 Cosmetic guidelines on good manufacturing practices (GMP)		
	ISO 9001		
PRODUCT CLASSIFICATION	Cosmetic product		

Abbreviation INCI International Nomenclature of Cosmetic Ingredients



Supplementary Information C: Participant questionnaire

Name:

Date:

Time:

Zip code area:

Donor number INHERIT – HAND0XX

Questionnaire donors

Personal

1. What is your age?
2. What is your sex? Male Female Other
3. Which is your dominant hand? Left Right

Profession and hobbies

4. What is your profession?
5. Which hobbies did you recently exercise that could potentially influence the composition on your hands? For example: gardening, paper mache, handball, etc.

Circumstances

6. How long has it been since you most recently washed your hands?
7. What have you touched since you most recently washed your hands?
8. Have you worn gloves since you most recently washed your hands? If so, what type/material?
9. Did you have noticeable sweat on your hands before the samples were taken?

Description

10. Are there visual characteristics (dirt, ink, etc.) present on your hands? If so, please explain where and describe the color.
11. Were the samples taken according to protocol? Yes/No
If not, please explain what went differently than described in the protocol.
12. Do you smoke tobacco cigarettes? If so, how many and how often per day?

Other comments/observations

Supplementary Information D: Confirmatory IC-MS method for ammonium

A methanesulfonic acid (MSA) eluent was generated by a Dionex eluent generator cartridge 500 MSA. An Electrochemical Detector pump provided 18.2 M Ω water to the eluent generator at a 0.25 mL/min flow rate. Cationic impurities were removed by a Dionex Continuously Regenerated Cation Trap column 600. A sample volume of 10 μ L was injected for analysis. Cation separation was performed on a Dionex Ionpac CS12A-8 μ m column (2 x 250 mm) with a Dionex Ionpac CG12A-8 μ m guard column (2 x 50 mm). A 2 mm Dionex Cation Dynamically Regenerated Suppressor 600 was used and the regenerant was supplied by an AXP-MS auxiliary pump (0.25 mL/min). The column compartment temperature was held at 30°C and the suppressor and conductivity detector temperatures were maintained at 15°C. The suppressor current was set to 30 mA. A multi-step gradient was used with a total run time of 10 minutes. The MSA concentration was kept at 5 mM for six seconds and subsequently raised to 20 mM in the remaining 9.9 minutes. The cation stock standard contained 1000 μ g/mL NH₄⁺ in H₂O (Sigma-Aldrich; Lot. BCCH4227). Ammonium was analyzed in positive heated electrospray ionization mode with a spray voltage of 3.5 kV. The ion transfer tube temperature was 300°C and the vaporizer temperature 275°C, at a spray liquid flow of 0.25 mL/min. The Selected Ion Monitoring retention time window was 2.00 – 8.00 min, in which m/z values 36.00 and 54.00 were scanned.

Supplementary Information E: Additional anion peaks (extract of D20 Left hand)

RT	Detected m/z	Identification
7.79	-	Unknown
9.75	121	Benzoate
11.59	61	Carbonate
14	133	Unknown
18.2	187	Unknown
21.98	191	Unknown (originating from the hand)
24.54	154	Unknown (originating from the swab)

Supplementary Information F: Swab efficiency

F1. Anions

F1.1 Measured recoveries of anions spiked onto hands in solution (n=3x5)

	Chlorate			Nitrate			Thiocyanate			Perchlorate		
	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)
Participant 1 - 1	1.54	6.17	62%	1.67	6.68	67%	1.69	6.75	68%	1.51	6.03	60%
Participant 1 - 2	1.71	6.84	68%	1.93	7.72	77%	1.87	7.50	75%	1.61	6.42	64%
Participant 1 - 3	1.98	7.91	79%	1.93	7.73	77%	2.14	8.57	86%	1.86	7.43	74%
Participant 1 - 4	1.21	4.85	48%	1.12	4.47	45%	1.35	5.39	54%	1.09	4.34	43%
Participant 1 - 5	1.37	5.50	55%	1.32	5.28	53%	1.52	6.10	61%	1.25	4.99	50%
Average recovery participant 1			63%			64%			69%			58%
Participant 2 - 1	1.06	4.25	43%	1.05	4.19	42%	1.23	4.91	49%	0.98	3.90	39%
Participant 2 - 2	0.77	3.08	31%	0.74	2.96	30%	0.83	3.33	33%	0.64	2.56	26%
Participant 2 - 3	0.82	3.30	33%	0.78	3.11	31%	0.85	3.42	34%	0.68	2.70	27%
Participant 2 - 4	1.01	4.03	40%	0.92	3.68	37%	1.05	4.18	42%	0.84	3.38	34%
Participant 2 - 5	0.86	3.43	34%	1.16	4.65	47%	0.92	3.69	37%	0.72	2.86	29%
Average recovery participant 2			36%			37%			39%			31%
Participant 3 - 1	2.07	8.27	83%	2.13	8.53	85%	2.27	9.07	91%	1.97	7.89	79%
Participant 3 - 2	2.01	8.04	80%	2.12	8.46	85%	2.14	8.55	86%	1.86	7.44	74%
Participant 3 - 3	2.00	8.00	80%	1.95	7.79	78%	2.11	8.45	84%	1.80	7.21	72%
Participant 3 - 4	1.67	6.68	67%	1.57	6.26	63%	1.81	7.24	72%	1.52	6.07	61%
Participant 3 - 5	1.60	6.40	64%	2.04	8.14	81%	1.76	7.03	70%	1.47	5.89	59%
Average recovery participant 3			75%			78%			81%			69%

F1.2 Measured recoveries of anions spiked onto metal/glass/plastic in solution (n=3x5)

	Chlorate			Nitrate			Thiocyanate			Perchlorate		
	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)
Metal 1 (swab)	3.06	12.26	61%	3.26	13.04	65%	1.79	7.16	36%	2.95	11.82	59%
Metal 2 (swab)	2.28	9.11	46%	2.38	9.52	48%	1.46	5.84	29%	2.10	8.42	42%
Metal 3 (swab)	2.32	9.28	46%	2.45	9.79	49%	1.49	5.97	30%	2.14	8.56	43%
Metal 4 (swab)	3.41	13.64	68%	3.66	14.63	73%	2.05	8.18	41%	3.23	12.94	65%
Metal 5 (swab)	2.70	10.80	54%	2.81	11.24	56%	1.56	6.23	31%	2.53	10.14	51%
Metal (extraction)	4.51	18.03	90%	4.85	19.42	97%	2.23	8.90	45%	4.10	16.41	82%
Glass 1 (swab)	3.69	14.78	74%	3.64	14.55	73%	1.39	5.57	28%	3.68	14.73	74%
Glass 2 (swab)	3.61	14.43	72%	3.70	14.80	74%	1.57	6.29	31%	3.63	14.51	73%
Glass 3 (swab)	3.64	14.55	73%	3.64	14.58	73%	1.44	5.78	29%	3.78	15.13	76%
Glass 4 (swab)	3.54	14.16	71%	3.55	14.20	71%	2.06	8.24	41%	3.33	13.33	67%
Glass 5 (swab)	3.52	14.08	70%	3.48	13.90	70%	1.46	5.83	29%	3.39	13.56	68%
Glass (extraction)	3.78	15.12	76%	3.82	15.29	76%	1.60	6.40	32%	3.90	15.61	78%
Plastic 1 (swab)	3.97	15.89	79%	4.16	16.65	83%	2.46	9.85	49%	2.58	10.32	52%
Plastic 2 (swab)	4.19	16.77	84%	4.29	17.16	86%	1.77	7.08	35%	4.06	16.25	81%
Plastic 3 (swab)	3.98	15.93	80%	4.06	16.26	81%	1.73	6.93	35%	4.00	16.02	80%
Plastic 4 (swab)	4.06	16.24	81%	4.30	17.19	86%	1.75	7.00	35%	4.25	16.99	85%
Plastic 5 (swab)	4.10	16.42	82%	4.31	17.25	86%	1.80	7.18	36%	4.23	16.91	85%
Plastic (extraction)	4.34	17.36	87%	4.51	18.03	90%	1.66	6.65	33%	4.25	17.00	85%
Average recovery (swab)			69%			72%			34%			67%
Average recovery (extraction)			84%			88%			37%			82%

F1.3 Measured relative recoveries of anions on hands (transferred to the hands as powders) per consecutive swab

	Chlorate			Nitrate			Thiocyanate			Perchlorate		
	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)
Participant 1 (1st swab)	602.54	2410.16	77%	438.51	1754.03	68%	213.77	855.07	52%	954.74	3818.96	78%
Participant 1 (2nd swab)	94.44	377.77	12%	95.77	383.08	15%	86.81	347.25	21%	164.80	659.19	13%
Participant 1 (3rd swab)	49.88	199.51	6%	61.76	247.02	10%	57.92	231.67	14%	65.22	260.86	5%
Participant 1 (4th swab)	23.40	93.60	3%	30.80	123.20	5%	31.56	126.25	8%	25.49	101.97	2%
Participant 1 (5th swab)	17.05	68.20	2%	20.54	82.16	3%	20.62	82.47	5%	20.25	80.99	2%
Participant 2 (1st swab)	478.38	1913.53	64%	311.35	1245.39	58%	156.44	625.74	36%	740.62	2962.47	64%
Participant 2 (2nd swab)	123.80	495.21	17%	76.89	307.54	14%	86.27	345.10	20%	207.00	828.02	18%
Participant 2 (3rd swab)	71.23	284.91	10%	73.82	295.27	14%	83.52	334.10	19%	113.39	453.58	10%
Participant 2 (4th swab)	43.82	175.30	6%	42.40	169.60	8%	56.81	227.24	13%	68.82	275.29	6%
Participant 2 (5th swab)	26.77	107.08	4%	30.84	123.37	6%	46.55	186.21	11%	25.37	101.48	2%
Participant 3 (1st swab)	488.00	1952.01	58%	335.46	1341.85	52%	161.20	644.78	34%	772.83	3091.33	60%
Participant 3 (2nd swab)	147.00	588.00	18%	105.90	423.61	16%	104.34	417.36	22%	232.01	928.03	18%
Participant 3 (3rd swab)	75.57	302.27	9%	68.38	273.52	11%	66.78	267.12	14%	116.35	465.41	9%
Participant 3 (4th swab)	66.89	267.57	8%	59.97	239.88	9%	76.82	307.27	16%	82.05	328.21	6%
Participant 3 (5th swab)	57.39	229.58	7%	76.91	307.64	12%	64.60	258.40	14%	95.58	382.33	7%
Average relative recovery 1st			66%			59%			41%			67%

F2. Cations

F2.1 Measured recoveries of cations spiked onto hands in solution (n=3x5)*

*Note: the cation recoveries from participant 2 (1-5) seem to indicate an accumulation of the spiked cations. This may be caused by their dry skin. Because of these unusual recovery values, an additional participant was included in the experiment.

	Lithium			Magnesium			Strontium			Barium		
	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)
Participant 1 - 1	1.32	5.26	53%	1.36	5.42	54%	1.17	4.67	47%	0.99	3.96	40%
Participant 1 - 2	1.71	6.83	68%	1.75	6.99	70%	1.72	6.88	69%	1.22	4.90	49%
Participant 1 - 3	1.96	7.85	78%	1.80	7.19	72%	1.80	7.19	72%	1.25	5.01	50%
Participant 1 - 4	1.60	6.40	64%	1.43	5.72	57%	1.50	6.00	60%	0.97	3.87	39%
Participant 1 - 5	1.62	6.46	65%	1.42	5.66	57%	1.51	6.02	60%	0.99	3.97	40%
Average recovery participant 1			66%			62%			62%			43%
Participant 2 - 1	0.52	2.07	21%	0.17	0.68	7%	0.17	0.68	7%	1.02	4.09	41%
Participant 2 - 2	1.14	4.54	45%	0.33	1.32	13%	0.33	1.32	13%	1.01	4.06	41%
Participant 2 - 3	1.30	5.19	52%	0.83	3.30	33%	0.83	3.30	33%	1.17	4.68	47%
Participant 2 - 4	1.32	5.26	53%	0.90	3.61	36%	0.90	3.61	36%	0.96	3.83	38%
Participant 2 - 5	1.41	5.62	56%	2.31	9.24	92%	2.31	9.24	92%	2.32	9.27	93%
Average recovery participant 2			45%			36%			36%			52%
Participant 3 - 1	0.95	3.80	38%	1.07	4.26	43%	0.98	3.93	39%	0.83	3.33	33%
Participant 3 - 2	1.79	7.15	71%	1.74	6.97	70%	1.68	6.74	67%	0.68	2.70	27%
Participant 3 - 3	1.39	5.56	56%	1.52	6.08	61%	1.44	5.77	58%	0.60	2.38	24%
Participant 3 - 4	1.53	6.13	61%	1.52	6.08	61%	1.23	4.90	49%	0.48	1.91	19%
Participant 3 - 5	1.23	4.94	49%	1.26	5.05	50%	1.17	4.69	47%	0.52	2.07	21%
Average recovery participant 3			55%			57%			52%			25%
Participant 4 - 1	2.31	9.24	92%	2.30	9.21	92%	1.13	4.52	45%	0.91	3.63	36%
Participant 4 - 2	2.24	8.95	90%	2.29	9.15	92%	1.05	4.21	42%	0.68	2.70	27%
Participant 4 - 3	2.47	9.88	99%	2.35	9.39	94%	1.08	4.33	43%	0.50	2.01	20%
Participant 4 - 4	1.89	7.55	75%	1.80	7.19	72%	1.18	4.74	47%	0.29	1.16	12%
Participant 4 - 5	2.22	8.88	89%	2.28	9.10	91%	1.04	4.16	42%	0.36	1.43	14%
Average recovery participant 4			89%			88%			44%			22%

F2.2 Measured recoveries of cations spiked onto metal/glass/plastic in solution (n=3x5)

	Lithium			Magnesium			Strontium			Barium		
	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)	Conc. (mg/L)	Recovered (µg)	Recovered (%)
Metal 1 (swab)	3.79	15.17	76%	3.24	12.95	65%	2.86	11.44	57%	2.32	9.27	46%
Metal 2 (swab)	3.64	14.56	73%	3.51	14.02	70%	3.43	13.72	69%	3.16	12.63	63%
Metal 3 (swab)	3.63	14.52	73%	3.34	13.37	67%	3.37	13.50	67%	3.14	12.57	63%
Metal 4 (swab)	3.76	15.04	75%	3.44	13.75	69%	3.51	14.04	70%	3.24	12.96	65%
Metal 5 (swab)	3.99	15.96	80%	3.85	15.38	77%	3.99	15.96	80%	3.60	14.40	72%
Metal (extraction)	5.24	20.96	105%	4.22	16.87	84%	4.07	16.29	81%	3.46	13.85	69%
Glass 1 (swab)	4.32	17.28	86%	2.72	10.90	54%	2.44	9.74	49%	2.28	9.13	46%
Glass 2 (swab)	4.30	17.18	86%	3.23	12.93	65%	3.47	13.88	69%	3.44	13.76	69%
Glass 3 (swab)	4.00	16.00	80%	2.64	10.56	53%	2.65	10.59	53%	2.65	10.62	53%
Glass 4 (swab)	4.17	16.67	83%	3.25	12.98	65%	3.55	14.20	71%	3.56	14.24	71%
Glass 5 (swab)	4.29	17.17	86%	3.92	15.66	78%	3.91	15.64	78%	4.07	16.30	81%
Glass (extraction)	5.70	22.80	114%	4.90	19.61	98%	5.05	20.22	101%	5.10	20.42	102%
Plastic 1 (swab)	4.20	16.79	84%	4.34	17.35	87%	4.27	17.08	85%	4.74	18.97	95%
Plastic 2 (swab)	4.12	16.47	82%	3.61	14.46	72%	3.43	13.73	69%	3.31	13.25	66%
Plastic 3 (swab)	4.09	16.36	82%	3.59	14.37	72%	3.70	14.79	74%	3.57	14.27	71%
Plastic 4 (swab)	4.35	17.41	87%	3.99	15.97	80%	4.08	16.31	82%	3.96	15.83	79%
Plastic 5 (swab)	4.29	17.17	86%	3.72	14.88	74%	3.54	14.18	71%	3.63	14.53	73%
Plastic (extraction)	6.43	25.70	129%	5.84	23.35	117%	5.70	22.82	114%	4.95	19.78	99%
Average recovery (swab)			81%			70%			70%			67%
Average recovery (extraction)			116%			100%			99%			90%

F2.3 Measured relative recoveries of cations on hands (transferred to the hands as powders) per consecutive swab

	Lithium			Magnesium			Strontium			Barium		
	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)	Conc. (mg/L)	Recovered (µg)	Recovered (Rel. %)
Participant 1 (1st swab)	122.74	490.97	43%	31.50	126.00	44%	304.32	1217.29	49%	634.20	2536.79	49%
Participant 1 (2nd swab)	81.11	324.42	29%	18.25	73.02	25%	196.66	786.63	32%	390.54	1562.16	30%
Participant 1 (3rd swab)	41.27	165.06	15%	10.98	43.91	15%	63.55	254.20	10%	140.55	562.21	11%
Participant 1 (4th swab)	25.08	100.31	9%	6.07	24.29	8%	34.15	136.60	5%	74.76	299.05	6%
Participant 1 (5th swab)	14.32	57.30	5%	4.92	19.66	7%	23.78	95.13	4%	64.12	256.48	5%
Participant 2 (1st swab)	4.86	19.45	22%	18.40	73.61	29%	66.94	267.78	46%	349.16	1396.64	61%
Participant 2 (2nd swab)	7.05	28.20	31%	16.28	65.13	25%	41.51	166.06	29%	113.17	452.68	20%
Participant 2 (3rd swab)	4.56	18.25	20%	12.57	50.28	20%	15.58	62.32	11%	49.84	199.37	9%
Participant 2 (4th swab)	3.37	13.49	15%	9.17	36.69	14%	11.01	44.04	8%	31.16	124.66	5%
Participant 2 (5th swab)	2.61	10.46	12%	7.52	30.08	12%	10.46	41.84	7%	32.92	131.67	6%
Participant 3 (1st swab)	60.60	242.39	54%	114.95	459.82	54%	298.47	1193.87	54%	756.48	3025.91	51%
Participant 3 (2nd swab)	25.57	102.26	23%	49.49	197.95	23%	126.14	504.56	23%	330.13	1320.52	22%
Participant 3 (3rd swab)	13.29	53.16	12%	25.99	103.95	12%	53.93	215.73	10%	94.96	379.86	6%
Participant 3 (4th swab)	7.93	31.70	7%	15.63	62.52	7%	47.57	190.29	9%	189.10	756.41	13%
Participant 3 (5th swab)	4.21	16.83	4%	8.06	32.22	4%	24.18	96.71	4%	113.05	452.20	8%
Average relative recovery 1st swab			40%			42%			50%			53%

Supplementary Information G: Ion occurrence (n=297)

G1. Summed

Participant	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
1	0.00	211.64	0.00	232.08	4.68	104.76	0.00	0.00	370.08	0.00	0.00	4.54	4.98	15.74	0.00	0.00
2	0.00	191.16	0.00	147.48	4.64	71.08	0.00	1.20	188.65	0.00	0.00	1.04	6.25	3.94	2.04	0.00
3	0.00	208.96	0.00	91.76	2.08	10.72	0.00	0.00	321.84	0.00	0.00	0.00	5.64	0.00	0.00	0.00
4	0.00	363.84	0.00	605.12	6.20	62.60	0.00	0.00	590.96	0.00	0.00	4.34	11.22	8.55	0.00	0.00
5	0.00	6.64	0.00	6.88	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00	1.54	0.00	0.00	0.00
6	0.00	56.00	0.00	87.96	3.16	0.00	0.00	0.00	82.35	0.00	0.00	2.09	4.37	0.00	0.00	0.00
7	0.00	53.68	0.00	67.72	0.00	0.00	0.00	0.00	74.73	0.00	0.00	0.00	2.19	0.00	0.00	0.00
8	0.00	42.84	0.00	13.20	0.00	0.00	0.00	0.00	67.68	0.00	0.00	0.00	0.57	0.00	0.00	1.02
9	0.00	81.48	0.00	118.40	1.32	8.48	0.00	0.00	107.93	0.00	0.00	0.58	5.46	0.00	0.00	0.42
10	0.00	50.72	58.53	33.64	0.00	0.00	0.00	0.00	62.19	0.00	0.00	0.00	3.77	0.00	0.00	0.00
11	0.00	586.80	0.00	216.32	5.36	46.44	0.00	0.00	785.76	0.00	0.00	4.97	8.55	2.71	0.00	0.84
12	0.00	147.04	0.00	121.92	1.52	16.52	0.00	0.00	162.56	0.00	0.00	3.69	3.27	1.56	0.00	3.54
13	0.00	55.64	0.00	59.32	0.40	5.24	0.00	0.00	61.38	0.00	0.00	0.00	4.90	0.40	0.00	0.00
14	0.00	33.12	0.00	33.28	0.48	0.00	0.00	0.00	42.38	0.00	0.00	1.58	10.48	1.29	0.00	1.45
15	0.00	17.68	0.00	18.28	0.00	0.00	0.00	0.00	9.79	0.00	0.00	0.00	0.95	0.41	0.00	0.00
16	0.00	257.04	0.00	192.52	3.20	24.16	0.00	0.00	314.16	0.00	0.00	5.43	6.71	1.98	0.00	0.00
17	0.00	284.84	0.00	236.48	1.96	15.56	0.00	0.00	307.36	0.00	0.00	1.78	4.45	0.00	0.00	0.00
18	0.00	43.04	0.00	49.48	0.68	0.00	0.00	0.00	42.60	0.00	0.00	0.00	2.10	0.00	0.00	0.00
19	0.00	98.84	10.48	139.96	1.40	0.00	0.00	0.00	139.27	0.00	0.00	2.10	2.05	0.00	0.00	0.00
20	0.00	47.96	18.46	74.04	2.16	13.36	0.00	0.00	55.39	0.00	0.00	7.72	9.15	4.24	0.00	0.00
21	0.00	310.08	77.67	476.32	8.20	74.16	0.00	0.00	411.76	0.00	0.00	3.16	13.07	19.71	0.00	0.00
22	0.00	90.60	0.00	84.72	2.56	26.08	0.00	0.00	121.72	0.00	0.00	1.72	15.95	5.60	0.00	0.00
23	0.00	16.56	0.00	8.12	0.00	0.00	0.00	0.00	9.08	0.00	0.00	2.28	0.39	0.00	0.00	0.00
24	0.00	43.60	0.00	40.76	0.00	1.28	0.00	0.00	37.71	0.00	0.00	1.96	2.62	1.55	0.00	0.00
25	0.00	82.16	17.98	106.96	2.36	15.80	0.00	0.00	134.39	0.00	0.00	3.09	9.78	4.03	0.00	0.00
26	0.00	48.60	0.00	71.24	0.00	4.04	0.00	0.00	67.90	0.00	0.00	0.84	2.81	0.00	0.00	0.00
27	0.00	117.52	8.98	67.16	1.00	0.00	0.00	0.00	136.00	0.00	0.00	0.65	3.10	8.55	0.00	0.00
28	0.00	173.20	0.00	387.12	3.00	29.84	0.00	0.00	252.16	0.00	0.00	2.34	7.07	1.87	0.00	0.00
29	0.00	123.84	0.00	228.64	1.92	0.00	0.00	0.00	169.35	0.00	0.00	1.55	4.90	2.03	0.00	0.00
30	0.00	145.12	0.00	322.96	2.76	19.12	0.00	0.00	220.29	0.00	0.00	3.89	7.48	2.94	0.00	0.00
31	0.00	89.88	0.00	205.96	1.72	0.00	0.00	0.00	97.77	0.00	0.00	4.90	1.99	0.00	0.00	0.00
32	0.00	79.88	0.00	123.76	1.16	16.80	0.00	0.00	85.02	0.00	0.00	2.50	1.56	0.00	0.00	0.00
33	0.00	50.32	0.00	87.36	1.36	0.00	0.00	0.00	32.76	0.00	0.00	0.00	0.47	0.00	0.00	0.00
34	0.00	173.16	0.00	154.92	1.44	0.00	0.00	0.00	177.36	0.00	0.00	4.44	2.47	0.00	0.00	0.00
35	0.00	71.36	21.99	100.64	5.32	39.40	0.00	0.00	72.03	0.00	0.00	3.47	10.43	4.01	0.00	0.00
36	0.00	210.92	37.94	254.32	4.80	51.12	0.00	0.00	304.16	0.00	0.00	6.56	24.56	4.09	0.00	0.00
37	0.00	268.72	43.90	273.52	3.76	42.76	0.00	0.00	324.16	0.00	0.00	8.83	31.68	0.53	0.00	0.00
38	0.00	223.84	0.00	375.48	5.56	68.36	0.00	0.00	376.56	0.00	0.00	10.69	19.99	4.28	0.00	0.00
39	0.00	796.12	0.00	360.60	14.52	121.44	0.00	0.00	2070.16	0.00	0.00	14.00	52.99	38.72	5.80	0.00
40	0.00	372.36	0.00	227.48	4.80	40.88	0.00	0.00	462.96	0.00	0.00	10.05	25.76	0.82	0.00	0.00
41	0.00	151.84	0.00	78.32	1.36	0.00	0.00	0.00	128.14	0.00	0.00	6.58	4.10	13.15	0.00	0.00
42	0.00	0.00	47.20	199.84	2.84	10.64	0.00	0.00	1075.36	0.00	0.00	9.10	15.34	42.10	0.00	0.00
43	0.00	49.52	0.00	70.04	2.24	4.96	0.00	0.00	38.33	0.00	0.00	1.00	2.88	0.00	0.00	0.00
44	0.00	21.20	0.00	76.16	0.52	0.00	0.00	0.00	31.53	0.00	0.00	1.58	1.82	0.00	0.00	0.00
45	0.00	22.94	0.00	46.58	2.53	0.00	0.00	0.00	26.52	0.00	0.00	3.84	6.63	3.62	0.00	0.00

Participant	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
46	0.00	33.40	0.00	13.96	0.00	1.72	0.00	0.00	19.63	0.00	0.00	1.10	0.00	0.00	0.00	0.00
47	0.00	61.84	0.00	98.46	5.11	25.26	0.00	0.00	53.95	0.00	0.00	7.30	23.57	2.62	2.24	0.00
48	0.00	177.28	0.00	233.92	3.36	37.56	0.00	0.00	226.16	0.00	0.00	8.92	7.04	3.06	0.00	0.00
49	0.00	93.02	0.00	77.63	2.43	0.00	0.00	0.00	79.84	0.00	0.00	1.59	1.43	0.78	0.00	0.00
50	0.00	152.16	0.00	148.76	1.80	0.00	0.00	0.00	181.36	0.00	0.00	1.85	1.82	0.00	0.00	11.68
51	0.00	88.39	16.59	150.25	1.89	0.00	0.00	0.00	89.54	0.00	0.00	2.14	5.93	3.97	0.00	0.00
52	0.00	76.08	0.00	104.60	1.08	0.00	0.00	0.00	85.93	0.00	0.00	2.20	3.30	0.00	0.00	0.00
53	0.00	184.36	10.56	164.26	6.49	35.20	0.00	0.00	238.05	0.00	0.00	4.80	32.04	0.72	0.00	0.00
54	0.00	264.72	37.76	165.28	2.00	9.36	0.00	0.00	350.16	0.00	0.00	4.47	6.69	2.40	0.00	0.00
55	0.00	181.68	65.30	333.28	4.64	53.28	0.00	0.00	275.76	0.00	0.00	3.59	15.46	3.26	0.00	0.00
56	0.00	45.60	0.00	68.08	1.48	0.00	0.00	0.00	42.37	0.00	0.00	1.73	0.43	0.00	0.00	0.00
57	0.00	36.68	0.00	62.24	0.44	9.80	0.00	0.00	38.00	0.00	0.00	0.00	2.07	0.00	0.00	0.00
58	0.00	87.28	24.02	146.04	2.36	19.68	0.00	0.00	102.03	0.00	0.00	2.79	4.51	0.54	0.00	0.00
59	0.00	54.08	7.52	96.44	3.00	19.88	0.00	0.00	93.21	0.00	0.00	2.03	4.95	0.00	0.00	0.00
60	0.00	105.08	0.00	184.16	4.76	45.36	0.00	1.24	198.98	0.00	0.00	2.84	8.12	6.73	0.00	0.00
61	0.00	46.64	0.00	39.04	2.20	13.44	0.00	0.64	57.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	0.00	29.84	0.00	70.16	3.44	48.88	0.00	0.00	37.54	0.00	0.00	0.00	0.59	0.00	0.00	0.00
63	0.00	25.44	0.00	44.40	2.16	31.40	0.00	0.00	20.82	0.00	0.00	1.06	0.00	0.00	0.00	0.00
64	0.00	50.96	0.00	78.48	3.04	69.96	0.00	0.00	55.07	0.00	0.00	0.98	0.56	0.00	0.00	0.00
65	0.00	164.52	0.00	200.24	3.96	31.84	0.00	0.00	114.23	0.00	0.00	1.15	3.36	0.00	0.00	0.57
66	0.00	80.24	0.00	85.88	2.56	0.00	0.00	0.00	78.13	0.00	0.00	2.16	1.13	0.00	0.00	0.00
67	0.00	73.88	0.00	54.16	2.36	21.52	0.00	0.00	102.73	0.00	0.00	1.82	0.00	0.00	0.00	0.00
68	0.00	160.00	0.00	203.16	3.68	38.44	0.00	0.00	180.49	0.00	0.00	4.20	3.17	1.00	0.00	0.00
69	0.00	14.88	0.00	17.80	1.84	29.24	0.00	0.00	8.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	97.40	0.00	110.68	5.76	74.84	0.00	0.00	138.32	0.00	0.00	2.72	14.02	0.38	0.00	0.00
71	0.00	46.72	0.00	25.04	0.00	1.76	0.00	0.00	22.53	0.00	0.00	0.00	38.20	0.39	0.00	0.00
72	0.00	72.36	0.00	85.48	2.16	8.60	0.00	0.00	76.26	0.00	0.00	0.00	1.60	0.00	0.00	0.00
73	0.00	96.92	0.00	269.92	6.24	136.24	0.00	0.00	145.74	0.00	0.00	1.37	3.36	3.87	0.00	0.00
74	0.00	236.88	0.00	354.56	3.28	64.64	0.00	0.00	351.72	0.00	0.00	3.80	6.57	3.36	0.00	0.00
75	0.00	603.24	0.00	347.60	6.52	28.52	0.00	0.00	889.60	0.00	0.00	5.03	10.60	3.65	0.00	0.00
76	0.00	132.16	0.00	108.60	3.44	14.84	0.00	0.00	165.65	0.00	0.00	0.68	1.52	0.00	0.00	0.00
77	0.00	55.88	0.00	69.44	2.44	0.00	0.00	0.00	61.62	0.00	0.00	0.00	1.16	0.00	0.00	0.00
78	0.00	169.76	0.00	171.84	4.88	51.04	0.00	0.00	221.64	0.00	0.00	11.72	7.56	0.00	0.00	0.00
79	0.00	172.04	0.00	182.88	4.80	46.76	0.00	0.00	227.36	0.00	0.00	2.06	6.72	0.00	0.00	1.12
80	0.00	184.16	0.00	237.64	2.84	12.76	0.00	0.00	262.52	0.00	0.00	0.00	4.00	0.00	0.00	0.00
81	0.00	139.28	0.00	110.96	4.84	54.68	0.00	0.00	206.08	0.00	0.00	1.77	4.40	3.60	0.00	0.00
82	0.00	113.12	0.00	67.28	2.16	0.00	0.00	0.00	154.42	0.00	1.64	14.09	1.84	0.00	0.00	0.00
83	0.00	71.88	0.00	52.12	2.40	0.00	0.00	0.00	67.89	0.00	0.00	0.62	1.52	0.00	0.00	1.00
84	0.00	42.60	0.00	58.08	2.80	17.88	0.00	0.00	61.33	0.00	0.00	0.00	2.72	0.00	0.00	0.00
85	0.00	41.96	0.00	58.32	2.52	0.00	0.00	0.00	38.35	0.00	0.00	1.10	0.67	0.00	0.00	0.00
86	0.00	106.64	15.50	97.96	3.40	0.00	0.00	0.00	139.50	0.00	0.00	0.65	2.41	2.62	0.00	0.00
87	0.00	57.16	13.75	75.16	2.28	0.00	0.00	0.00	40.11	0.00	0.00	0.00	0.91	0.00	0.00	0.00
88	0.00	44.40	0.00	60.92	2.60	0.00	0.00	0.00	46.31	0.00	0.00	2.24	5.89	0.00	0.00	0.00
89	0.00	626.00	0.00	326.40	5.28	46.32	0.00	0.00	70.77	0.00	0.00	0.44	3.20	0.00	0.00	0.00
90	0.00	85.24	5.26	76.44	1.68	9.36	0.80	1.88	118.10	0.00	0.00	2.76	4.53	6.10	0.00	0.00

Participant	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
136	0.00	66.76	0.00	87.33	2.58	0.00	0.00	0.00	85.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	20.97	0.00	4.56	0.00	0.00	0.00	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	292.03	19.56	142.63	2.87	14.61	0.00	0.00	405.80	0.00	0.00	0.00	2.21	0.00	0.00	0.00
139	0.00	92.47	3.01	131.31	1.82	0.00	0.00	0.00	122.68	0.00	0.00	1.53	2.36	0.00	0.00	0.00
140	0.00	102.56	13.54	325.05	3.31	20.07	0.00	0.00	150.51	0.00	0.00	1.10	3.11	0.00	0.00	0.00
141	0.00	29.60	0.00	73.29	1.51	0.00	0.00	0.00	24.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	186.61	6.27	117.74	2.35	9.11	0.00	0.00	199.77	0.00	0.00	0.00	1.80	0.00	0.00	0.00
143	0.00	114.84	12.13	106.42	4.27	23.13	0.00	0.00	84.95	0.00	0.00	1.37	3.54	2.07	0.00	0.00
144	0.00	25.96	0.00	42.40	1.56	0.00	0.00	0.00	44.16	0.00	0.00	2.93	10.84	2.61	0.00	0.00
145	0.00	56.00	0.00	100.00	3.08	0.00	0.00	0.00	231.58	0.00	0.00	5.35	5.36	0.00	0.00	0.00
146	0.00	316.00	0.00	124.20	4.08	40.16	0.00	0.00	281.13	0.00	0.00	0.00	2.09	0.00	0.00	0.00
147	0.00	254.04	0.00	98.72	13.84	195.32	0.00	0.00	260.11	0.00	0.00	16.91	52.67	9.18	0.00	0.00
148	0.00	141.80	0.00	121.48	5.36	100.48	0.00	0.00	307.92	0.00	0.00	2.05	10.97	2.23	0.00	0.00
149	0.00	297.64	0.00	231.20	5.20	102.24	0.00	0.00	207.54	0.00	0.00	1.34	9.69	0.00	0.00	0.00
150	0.00	76.84	0.00	118.28	4.84	95.32	0.00	0.00	80.08	0.00	0.00	0.94	4.18	0.00	0.00	0.00
151	0.00	89.20	0.00	123.64	3.96	54.80	0.00	0.00	218.99	0.00	0.00	0.81	6.40	4.70	0.00	0.00
152	0.00	226.56	0.00	243.44	5.16	105.64	0.00	0.00	123.55	0.00	0.00	0.61	2.72	0.00	0.00	0.00
153	0.00	114.07	0.00	44.71	2.38	0.00	0.00	0.00	118.72	0.00	0.00	0.00	1.02	0.00	0.00	0.00
154	0.00	65.95	16.97	153.36	5.11	29.65	0.00	0.00	100.95	0.00	0.00	0.73	6.68	0.00	0.00	0.00
155	0.00	213.58	16.44	349.39	6.30	71.16	0.00	0.00	242.74	0.00	0.00	1.66	13.59	0.00	0.00	0.00
156	0.00	16.17	4.85	45.89	2.08	3.48	0.00	0.00	16.64	0.00	0.00	0.00	1.99	0.00	0.00	0.00
157	0.00	146.63	0.00	107.52	4.83	31.23	0.00	0.00	301.07	0.00	0.00	0.62	5.21	5.80	0.00	0.00
158	0.00	334.08	0.00	130.38	3.37	8.71	0.00	0.00	272.84	0.00	0.00	0.96	4.43	0.00	0.00	0.00
159	0.00	145.00	13.13	237.59	4.62	27.34	0.00	0.00	154.12	0.00	0.00	2.18	4.76	0.00	0.00	0.00
160	0.00	31.42	0.00	112.14	1.65	26.85	0.00	0.00	59.68	0.00	0.00	0.00	3.11	0.00	0.00	0.00
161	0.00	122.26	0.00	141.64	3.18	8.79	0.00	0.00	134.40	0.00	0.00	0.77	6.03	0.00	0.00	0.00
162	0.00	55.03	8.77	101.71	5.93	21.81	0.00	0.00	53.35	0.00	0.00	4.96	16.45	0.00	0.00	0.00
163	0.00	115.92	18.25	192.81	4.36	0.00	0.00	0.00	82.11	0.00	0.00	0.83	7.50	0.66	0.00	0.00
164	0.00	167.66	18.44	293.72	3.69	17.42	0.00	0.00	162.65	0.00	0.00	7.26	6.40	0.00	0.00	0.00
165	0.00	126.05	8.09	255.73	5.00	23.66	0.00	0.00	225.25	0.00	0.00	1.55	4.98	0.00	0.00	0.00
166	0.00	187.20	33.92	219.21	0.00	38.27	0.00	0.00	252.71	0.00	0.00	0.58	6.04	1.84	0.00	0.00
167	0.00	74.21	3.56	65.19	2.55	0.00	0.00	0.00	83.59	0.00	0.00	0.00	1.89	0.00	0.00	0.00
168	0.00	92.17	6.72	90.46	4.64	18.82	0.00	0.00	72.61	0.00	0.00	0.00	5.61	0.00	0.00	0.00
169	0.00	106.04	15.10	413.36	9.74	34.34	0.00	0.00	141.74	0.00	0.00	0.00	12.75	0.00	0.00	0.00
170	0.00	17.08	33.07	18.04	1.00	0.00	0.00	0.00	18.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	192.46	0.00	438.18	16.39	79.84	0.00	0.00	215.64	0.00	0.00	10.94	16.16	1.66	0.00	0.00
172	0.00	374.36	0.00	147.64	0.00	0.00	0.00	0.00	390.17	0.00	0.00	0.00	6.68	0.00	0.00	0.00
173	0.00	104.32	0.00	154.24	5.04	51.12	0.00	0.00	98.79	0.00	0.00	0.00	5.59	0.00	0.00	0.00
174	0.00	26.80	0.00	50.72	0.84	0.00	0.00	0.00	12.21	0.00	0.00	0.00	1.18	0.00	0.00	0.00
175	0.00	37.80	0.00	45.32	2.24	0.00	0.00	0.00	52.08	0.00	0.00	0.00	3.16	0.00	0.00	0.00
176	0.00	14.12	0.00	17.12	0.40	0.00	0.00	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	137.48	0.00	41.00	2.08	7.56	0.00	0.00	192.50	0.00	0.00	0.00	3.27	0.00	0.00	0.00
178	0.00	88.72	0.00	84.68	3.24	13.52	0.00	0.00	89.25	0.00	0.00	0.00	1.39	0.00	0.00	0.00
179	0.00	30.60	0.00	30.44	2.52	0.00	0.00	0.00	17.15	0.00	0.00	0.00	1.12	0.00	0.00	0.00
180	0.00	26.72	0.00	37.80	1.52	0.00	0.00	0.00	36.35	0.00	0.00	0.00	1.70	0.00	0.00	0.00

Participant	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
181	0.00	100.56	0.00	115.12	2.96	5.12	0.00	0.00	124.42	0.00	0.00	0.86	1.57	2.51	0.00	0.00
182	0.00	34.32	0.00	19.96	0.00	0.00	0.00	0.00	39.86	0.00	0.00	0.00	1.91	0.00	0.00	0.00
183	0.00	189.12	0.00	149.08	3.72	32.68	0.00	0.00	234.92	0.00	0.00	2.07	4.76	0.00	0.00	0.00
184	0.00	176.76	0.00	242.00	5.68	53.64	0.00	0.00	232.39	0.00	0.00	3.23	14.70	0.00	0.00	0.00
185	0.00	103.44	0.00	200.84	5.44	33.08	0.00	0.00	125.47	0.00	0.00	0.00	4.10	0.00	0.00	0.00
186	0.00	199.44	18.17	276.68	4.44	43.64	0.00	0.00	170.72	0.00	0.00	0.00	6.69	0.00	0.00	0.00
187	0.00	111.48	0.00	156.16	4.20	40.48	0.00	0.00	157.30	0.00	0.00	0.00	4.40	0.00	0.00	0.00
188	0.00	16.12	0.00	21.92	0.56	5.08	0.00	0.00	20.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189	0.00	44.00	0.00	26.32	1.08	14.64	0.00	0.00	54.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190	0.00	60.24	0.00	82.00	2.40	8.16	0.00	0.00	50.01	0.00	0.00	0.00	2.65	0.00	0.00	0.00
191	0.00	89.44	0.00	150.28	3.20	14.44	0.00	0.00	126.15	0.00	0.00	0.00	3.89	0.00	0.00	0.00
192	0.00	39.68	0.00	17.96	3.72	4.60	0.00	0.00	9.77	0.00	0.00	1.40	1.80	6.16	0.00	0.00
193	0.00	119.84	13.11	159.48	3.16	10.20	0.00	0.00	140.03	0.00	0.00	0.00	4.85	2.96	0.00	0.00
194	0.00	43.76	8.22	103.12	1.20	0.00	0.00	0.00	55.75	0.00	0.00	0.00	3.63	6.79	0.00	0.00
195	0.00	263.60	0.00	133.96	2.40	0.00	0.00	0.00	334.21	0.00	0.00	1.87	4.55	5.82	0.00	0.00
196	0.00	97.76	0.00	66.48	5.00	14.24	0.00	0.00	135.20	0.00	0.00	3.77	15.12	0.00	0.00	0.00
197	0.00	57.04	8.20	152.12	2.64	9.20	0.00	0.00	62.65	0.00	0.00	0.00	2.76	0.00	0.00	0.00
198	0.00	190.40	18.99	157.44	4.52	29.20	0.00	0.00	238.05	0.00	0.00	1.18	5.91	0.00	0.00	0.00
199	0.00	120.60	15.26	169.44	3.84	25.64	0.00	0.00	129.53	0.00	0.00	1.19	4.16	7.36	0.00	0.00
200	0.00	196.32	0.00	118.52	3.08	0.00	0.00	0.00	273.74	0.00	0.00	0.00	4.61	0.00	0.00	0.00
201	0.00	53.80	2.88	90.04	2.04	0.00	0.00	0.00	61.17	0.00	0.00	0.00	3.62	5.56	0.00	0.00
202	0.00	24.04	2.43	34.84	4.64	7.08	0.00	0.00	74.25	0.00	0.00	0.00	0.43	0.00	0.00	0.00
203	0.00	234.96	27.80	173.16	7.12	28.32	0.00	0.00	178.05	0.00	0.00	0.00	7.39	5.75	0.00	0.00
204	0.00	281.48	13.98	173.12	5.88	25.08	0.00	0.00	274.51	0.00	0.00	0.00	8.75	0.00	0.00	0.00
205	0.00	81.00	2.13	80.00	2.76	5.20	0.00	0.00	65.30	0.00	0.00	0.00	4.36	0.00	0.00	0.00
206	0.00	303.36	16.94	164.72	3.44	8.60	0.00	0.00	242.31	0.00	0.00	0.00	8.52	6.18	0.00	0.00
207	0.00	154.52	18.22	156.64	4.08	21.88	0.00	0.00	65.68	0.00	0.00	0.00	4.45	3.00	0.00	0.00
208	0.00	203.16	14.99	220.20	3.88	17.76	0.00	0.00	311.96	0.00	0.00	0.00	8.19	3.20	0.00	0.00
209	0.00	36.24	4.53	75.60	1.88	7.12	0.00	0.00	26.81	0.00	0.00	0.00	2.23	0.00	0.00	0.00
210	0.00	69.44	11.65	70.08	3.20	15.64	0.00	0.00	76.40	0.00	0.00	0.00	8.02	0.00	0.00	0.00
211	0.00	47.40	3.92	88.96	4.72	8.96	0.00	0.00	33.11	0.00	0.00	0.00	4.47	0.65	0.00	0.00
212	0.00	215.84	46.88	427.80	7.80	60.16	0.00	0.00	419.14	0.00	0.00	3.54	33.31	3.38	0.00	0.00
213	0.00	396.24	55.23	389.64	12.48	76.08	0.00	0.00	418.56	0.00	0.00	8.77	34.96	7.20	0.00	0.00
214	0.00	684.08	55.63	1126.60	21.00	167.00	0.00	0.00	1075.01	0.00	0.00	13.60	68.75	13.89	0.00	0.00
215	0.00	163.20	35.03	285.00	6.48	43.76	0.00	0.00	138.90	0.00	0.00	0.00	16.06	0.89	0.00	0.00
216	0.00	409.08	40.96	417.96	6.92	50.08	0.00	0.00	458.25	0.00	0.00	1.98	27.16	2.41	0.00	0.00
217	0.00	250.48	3.96	182.20	4.28	9.20	0.00	0.00	240.44	0.00	0.00	2.52	11.97	0.86	0.00	0.00
218	0.00	57.24	20.23	150.16	4.80	22.96	0.00	0.00	78.46	0.00	0.00	0.00	10.94	0.00	0.00	0.00
219	0.00	655.52	0.00	1116.00	13.32	49.80	0.00	0.00	1203.40	0.00	0.00	11.01	36.66	2.68	0.00	0.00
220	0.00	113.76	18.72	102.48	4.32	62.00	0.00	0.00	145.09	0.00	0.00	0.54	3.91	0.42	0.00	0.00
221	0.00	1019.64	0.00	407.52	9.68	134.08	0.00	0.00	1575.70	0.00	0.00	8.47	37.86	3.25	0.00	0.00
222	0.00	23.24	0.00	26.28	0.48	3.32	0.00	0.00	92.40	0.00	0.00	14.56	18.48	5.92	0.00	0.00
223	0.00	129.08	14.49	168.36	3.36	11.84	0.00	0.00	124.15	0.00	0.00	0.00	2.80	0.65	0.00	0.00
224	0.00	11.84	4.88	24.56	0.00	1.60	0.00	0.00	17.64	0.00	0.00	4.52	2.80	2.04	0.00	0.00
225	0.00	62.60	0.00	121.04	3.00	35.84	0.00	0.00	96.36	0.00	0.00	0.00	4.32	2.32	0.00	0.00

Participant	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
226	0.00	146.80	0.00	219.20	11.68	35.28	0.00	0.00	184.31	0.00	0.00	11.08	9.24	1.84	0.00	0.00
227	0.00	143.40	0.00	123.88	7.04	19.32	0.00	0.00	188.57	0.00	0.00	3.47	19.84	0.00	0.00	0.00
228	0.00	54.16	0.00	57.00	0.00	0.00	0.00	0.00	65.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229	0.00	96.80	0.00	96.16	2.96	0.00	0.00	0.00	43.21	0.00	0.00	13.19	1.58	0.00	0.00	0.00
230	0.00	84.04	0.00	130.40	4.76	17.64	0.00	0.00	102.53	0.00	0.00	13.64	5.40	0.00	0.00	0.00
231	0.00	50.00	14.41	60.12	3.00	0.00	0.00	0.00	24.71	0.00	0.00	0.00	1.23	0.00	0.00	0.00
232	0.00	108.52	0.00	98.56	5.40	50.84	0.00	0.00	160.56	0.00	0.00	6.89	14.64	4.98	0.00	0.00
233	0.00	95.88	0.00	61.08	3.20	27.00	0.00	0.00	51.03	0.00	0.00	1.82	4.26	0.00	0.00	0.00
234	0.00	48.60	0.00	118.20	3.72	34.16	0.00	0.00	82.10	0.00	0.00	4.90	9.04	0.00	0.00	0.00
235	0.00	318.24	0.00	217.12	5.68	59.48	0.00	0.00	371.29	0.00	0.00	2.57	9.76	0.64	0.00	0.00
236	0.00	41.16	0.00	102.64	4.20	31.92	0.00	0.00	52.20	0.00	0.00	1.95	2.05	0.00	0.00	0.00
237	0.00	100.00	0.00	58.28	2.72	3.88	0.00	0.00	169.95	0.00	0.00	4.53	10.38	0.00	2.28	0.00
238	0.00	259.48	0.00	123.36	6.20	49.64	0.00	0.00	347.36	0.00	0.00	2.10	3.94	3.87	0.00	0.00
239	0.00	48.32	0.00	45.32	0.00	0.00	0.00	0.00	31.85	0.00	0.00	1.08	1.50	0.91	0.00	0.00
240	0.00	34.76	0.00	16.80	1.76	8.52	0.00	0.00	5.94	0.00	0.00	0.77	0.78	0.00	0.00	0.00
241	0.00	38.52	0.00	53.64	1.36	9.36	0.00	0.00	19.43	0.00	0.00	0.98	1.58	0.41	0.00	0.00
242	0.00	48.52	0.00	51.56	1.52	12.60	0.00	0.00	21.91	0.00	0.00	1.15	1.59	1.13	0.00	0.00
243	0.00	42.15	0.00	21.35	1.15	5.54	0.00	0.00	59.82	0.00	0.00	2.56	4.04	0.57	0.00	0.00
244	0.00	31.08	0.00	24.12	0.00	2.44	0.00	0.00	12.82	0.00	0.00	1.06	1.18	1.66	0.00	0.00
245	0.00	33.60	0.00	25.48	1.28	10.32	0.00	0.00	12.37	0.00	0.00	0.92	2.90	0.00	0.00	0.00
246	0.00	71.14	0.00	69.40	2.45	17.39	0.00	0.00	146.23	0.00	0.00	3.59	8.93	1.34	0.00	0.00
247	0.00	29.60	0.00	41.28	1.52	3.88	0.76	1.52	50.88	0.00	0.00	1.73	3.85	1.12	0.00	0.00
248	0.00	73.32	0.00	67.48	2.80	13.84	0.00	1.40	115.94	0.00	0.00	2.30	5.18	4.27	0.61	0.00
249	0.00	25.56	0.00	16.88	0.40	4.32	0.00	0.00	52.36	0.00	0.00	1.83	3.96	1.45	0.00	0.00
250	0.00	21.87	0.00	12.33	0.95	5.67	0.00	0.00	44.53	0.00	0.00	1.95	2.81	0.00	0.00	0.00
251	0.00	15.92	0.00	18.12	0.00	1.84	0.00	0.00	45.44	0.00	0.00	1.63	4.60	0.00	0.00	0.00
252	0.00	172.44	0.00	114.04	2.96	34.16	0.00	2.20	25.75	0.00	0.00	1.02	2.69	0.00	0.00	0.00
253	0.00	70.88	13.24	110.64	3.00	32.24	0.00	0.00	154.37	0.00	0.00	3.51	13.64	0.00	0.00	0.00
254	0.00	62.76	0.00	53.52	1.68	11.84	0.00	0.00	103.37	0.00	0.00	2.17	4.13	0.00	0.00	0.00
255	0.00	40.44	0.00	65.72	1.64	19.20	0.00	0.00	81.67	0.00	0.00	3.09	5.85	0.00	0.00	0.00
256	0.00	156.40	0.00	111.88	2.56	32.44	0.00	0.00	227.49	0.00	0.00	3.33	8.96	0.00	0.00	0.00
257	0.00	68.48	0.00	72.48	2.32	14.40	0.00	0.00	111.34	0.00	0.00	2.12	5.21	0.00	0.00	0.00
258	0.00	86.40	0.00	104.76	1.72	29.96	0.00	0.00	186.10	0.00	0.00	2.95	5.39	0.00	0.00	0.00
259	0.00	129.05	0.00	122.68	1.64	17.93	0.00	0.00	220.11	0.00	0.00	3.07	3.86	0.00	0.00	0.00
260	0.00	151.24	22.85	234.11	4.56	26.24	0.00	0.00	160.56	0.00	0.00	4.66	6.46	0.00	0.00	0.00
261	0.00	120.83	0.00	304.53	54.08	0.00	0.00	0.00	201.16	0.00	0.00	1.11	4.14	0.00	0.00	0.00
262	0.00	39.69	0.00	93.77	1.16	3.70	0.00	0.00	31.60	0.00	0.00	4.34	1.32	0.00	0.00	0.00
263	0.00	58.22	0.00	116.68	0.00	0.00	0.00	0.00	69.39	0.00	0.00	7.22	2.13	0.00	0.00	0.00
264	0.00	43.08	0.00	42.19	1.51	1.99	0.00	0.00	47.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	30.21	0.00	62.64	0.00	0.00	0.00	0.00	24.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266	0.00	31.28	0.00	38.48	21.22	0.00	0.00	0.00	36.30	0.00	0.00	1.97	2.35	0.00	0.00	0.00
267	0.00	133.34	0.00	69.18	0.85	4.05	0.00	0.00	145.13	0.00	0.00	0.99	0.99	0.00	0.00	0.00
268	0.00	36.63	0.00	36.56	0.00	2.10	0.00	0.00	23.20	0.00	0.00	2.71	1.64	0.00	0.00	0.00
269	0.00	46.20	4.29	139.24	2.12	0.00	0.00	0.00	58.03	0.00	0.00	0.00	1.12	0.00	0.00	0.00
270	0.00	134.40	0.00	199.36	4.32	0.00	0.00	0.00	144.18	0.00	0.00	0.00	13.53	0.87	0.00	0.00

Participant	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
271	0.00	296.92	0.00	171.32	3.44	15.64	0.00	0.00	332.38	0.00	0.00	0.67	7.40	0.00	0.00	0.00
272	0.00	112.72	0.00	138.52	3.20	30.68	0.00	0.00	110.57	0.00	0.00	0.43	2.87	0.00	0.00	0.00
273	0.00	218.12	0.00	223.80	3.60	28.36	0.00	0.00	200.12	0.00	0.00	2.09	5.84	4.31	0.00	0.00
274	0.00	128.32	20.69	120.36	3.16	12.00	0.00	0.00	123.40	0.00	0.00	1.02	6.81	0.00	0.00	0.00
275	0.00	317.80	22.67	199.56	3.68	12.20	0.00	0.00	327.40	0.00	0.00	1.15	5.46	4.81	0.00	0.00
276	0.00	84.20	0.00	59.00	2.12	5.00	0.00	0.00	102.53	0.00	0.00	1.97	2.58	0.00	0.00	0.00
277	0.00	38.76	0.00	60.96	2.36	14.68	0.00	0.00	29.17	0.00	0.00	0.00	3.21	1.80	0.00	0.00
278	0.00	205.88	0.00	62.84	1.92	5.44	0.00	0.00	216.36	0.00	0.00	0.00	1.56	1.79	0.00	0.00
279	0.00	71.48	0.00	94.59	2.18	0.00	0.00	0.00	68.94	0.00	0.00	0.00	1.68	0.00	0.00	0.00
280	0.00	108.20	0.00	168.00	3.92	76.84	0.00	0.00	140.05	0.00	0.00	21.15	3.91	0.00	0.00	0.00
281	0.00	196.64	0.00	333.08	5.96	143.36	0.00	0.00	247.19	0.00	0.00	2.23	13.24	12.01	0.00	0.00
282	0.00	149.20	0.00	304.44	5.48	145.24	0.00	0.00	175.97	0.00	0.00	1.15	8.28	0.50	0.00	0.00
283	0.00	68.56	0.00	57.68	2.76	31.24	0.00	0.00	83.47	0.00	0.00	0.00	5.75	4.11	0.00	0.00
284	0.00	92.44	0.00	117.04	5.36	50.56	0.00	0.00	105.59	0.00	0.00	4.41	9.08	2.88	0.00	0.00
285	0.00	104.40	0.00	134.80	7.24	58.92	0.00	0.00	132.89	0.00	0.00	6.61	14.36	1.66	0.00	0.00
286	0.00	68.68	0.00	110.44	2.84	0.00	0.00	0.00	70.64	0.00	0.00	0.00	2.39	0.94	0.00	0.00
287	0.00	258.00	21.00	345.52	5.12	76.28	0.00	0.00	241.16	0.00	0.00	2.39	17.05	3.56	0.00	0.00
288	0.00	135.12	0.00	329.12	10.88	104.28	0.00	0.00	216.60	0.00	0.00	4.89	20.43	5.56	0.00	0.00
289	0.00	49.16	0.00	86.52	1.88	0.00	0.00	0.00	74.49	0.00	0.00	1.47	1.35	0.00	0.00	0.00
290	0.00	98.48	0.00	173.98	2.69	5.65	0.00	0.00	139.45	0.00	0.00	0.00	2.90	0.00	0.00	0.00
291	0.00	62.08	0.00	113.38	2.79	0.00	0.00	0.00	74.95	0.00	0.00	0.00	2.24	0.00	0.00	0.00
292	0.00	49.39	0.00	84.71	2.06	2.34	0.00	0.00	49.87	0.00	0.00	0.00	1.43	0.00	0.00	0.00
293	0.00	48.90	16.58	156.03	3.02	12.83	0.00	0.00	86.89	0.00	0.00	0.00	2.75	0.00	0.00	0.00
294	0.00	67.64	0.00	135.40	2.20	0.00	0.00	0.00	103.82	0.00	0.00	0.00	1.51	0.00	0.00	0.00
295	0.00	55.56	0.00	141.72	3.68	27.44	0.00	0.00	83.76	0.00	0.00	4.76	6.04	0.00	0.00	0.00
296	0.00	78.60	0.00	187.84	3.40	0.00	0.00	0.00	124.21	0.00	0.00	0.00	7.04	0.00	0.00	0.00
297	0.00	78.12	0.00	130.16	1.68	0.00	0.00	0.00	144.14	0.00	0.00	0.00	1.97	0.00	0.00	0.00

G2. Per hand

Participant /hand (μg)	Lithium (μg)	Sodium (μg)	Ammonium (μg)	Potassium (μg)	Magnesium (μg)	Calcium (μg)	Strontium (μg)	Barium (μg)	Chloride (μg)	Nitrite (μg)	Chlorate (μg)	Nitrate (μg)	Sulfate (μg)	Phosphate (μg)	Thiocyanate (μg)	Perchlorate (μg)
1(dominant) 0.00	114.48	0.00	130.88	2.48	54.28	0.00	0.00	203.76	0.00	0.00	2.46	2.45	6.46	0.00	0.00	
1(non-dominant) 0.00	97.16	0.00	101.20	2.20	50.48	0.00	0.00	166.32	0.00	0.00	2.07	2.53	9.27	0.00	0.00	
2(dominant) 0.00	81.88	0.00	62.52	2.12	28.28	0.00	0.00	86.32	0.00	0.00	0.00	2.46	1.85	0.79	0.00	
2(non-dominant) 0.00	109.28	0.00	84.96	2.52	42.80	0.00	1.20	102.33	0.00	0.00	1.04	3.79	2.09	1.25	0.00	
3(dominant) 0.00	101.24	0.00	39.92	0.84	3.76	0.00	0.00	171.88	0.00	0.00	0.00	3.44	0.00	0.00	0.00	
3(non-dominant) 0.00	107.72	0.00	51.84	1.24	6.96	0.00	0.00	149.96	0.00	0.00	0.00	2.20	0.00	0.00	0.00	
4(dominant) 0.00	203.52	0.00	329.48	3.36	35.88	0.00	0.00	365.48	0.00	0.00	2.30	6.93	4.73	0.00	0.00	
4(non-dominant) 0.00	160.32	0.00	275.64	2.84	26.72	0.00	0.00	225.48	0.00	0.00	2.04	4.29	3.83	0.00	0.00	
5(dominant) 0.00	2.92	0.00	2.56	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.03	0.00	0.00	0.00	
5(non-dominant) 0.00	3.72	0.00	4.32	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.50	0.00	0.00	0.00	
6(dominant) 0.00	33.48	0.00	50.68	1.64	0.00	0.00	0.00	48.48	0.00	0.00	1.21	2.65	0.00	0.00	0.00	
6(non-dominant) 0.00	22.52	0.00	37.28	1.52	0.00	0.00	0.00	33.87	0.00	0.00	0.88	1.71	0.00	0.00	0.00	
7(dominant) 0.00	28.28	0.00	35.80	0.00	0.00	0.00	0.00	40.21	0.00	0.00	0.00	1.03	0.00	0.00	0.00	
7(non-dominant) 0.00	25.40	0.00	31.92	0.00	0.00	0.00	0.00	34.52	0.00	0.00	0.00	1.16	0.00	0.00	0.00	
8(dominant) 0.00	14.48	0.00	6.36	0.00	0.00	0.00	0.00	20.93	0.00	0.00	0.00	0.00	0.00	0.00	0.52	
8(non-dominant) 0.00	28.36	0.00	6.84	0.00	0.00	0.00	0.00	46.76	0.00	0.00	0.00	0.57	0.00	0.00	0.50	
9(dominant) 0.00	30.16	0.00	43.52	0.48	0.00	0.00	0.00	38.45	0.00	0.00	0.00	1.56	0.00	0.00	0.00	
9(non-dominant) 0.00	51.32	0.00	74.88	0.84	8.48	0.00	0.00	69.48	0.00	0.00	0.58	3.90	0.00	0.00	0.42	
10(dominant) 0.00	26.12	0.00	15.68	0	0.00	0.00	0.00	32.95	0.00	0.00	0.00	1.72	0.00	0.00	0.00	
10(non-dominant) 0.00	24.60	58.53	17.96	0	0.00	0.00	0.00	29.25	0.00	0.00	0.00	2.06	0.00	0.00	0.00	
11(dominant) 0.00	251.44	0.00	95.96	2.40	20.40	0.00	0.00	349.88	0.00	0.00	3.14	4.30	0.76	0.00	0.84	
11(non-dominant) 0.00	335.36	0.00	120.36	2.96	26.04	0.00	0.00	435.88	0.00	0.00	1.83	4.25	1.95	0.00	0.00	
12(dominant) 0.00	78.04	0.00	63.12	0.72	8.08	0.00	0.00	90.28	0.00	0.00	1.41	1.81	0.83	0.00	1.66	
12(non-dominant) 0.00	69.00	0.00	58.80	0.80	8.44	0.00	0.00	72.28	0.00	0.00	2.28	1.46	0.74	0.00	1.88	
13(dominant) 0.00	25.12	0.00	27.24	0.40	0.00	0.00	0.00	29.33	0.00	0.00	0.00	3.34	0.00	0.00	0.00	
13(non-dominant) 0.00	30.52	0.00	32.08	0.00	5.24	0.00	0.00	32.05	0.00	0.00	0.00	1.57	0.40	0.00	0.00	
14(dominant) 0.00	14.56	0.00	8.68	0.00	0.00	0.00	0.00	17.61	0.00	0.00	0.47	2.74	0.51	0.00	0.57	
14(non-dominant) 0.00	18.56	0.00	24.60	0.48	0.00	0.00	0.00	24.77	0.00	0.00	1.11	7.74	0.78	0.00	0.88	
15(dominant) 0.00	7.92	0.00	7.68	0.00	0.00	0.00	0.00	3.68	0.00	0.00	0.00	0.40	0.00	0.00	0.00	
15(non-dominant) 0.00	9.76	0.00	10.60	0.00	0.00	0.00	0.00	6.11	0.00	0.00	0.00	0.55	0.41	0.00	0.00	
16(dominant) 0.00	136.08	0.00	96.40	1.40	11.48	0.00	0.00	169.48	0.00	0.00	2.09	2.18	0.99	0.00	0.00	
16(non-dominant) 0.00	120.96	0.00	96.12	1.80	12.68	0.00	0.00	144.68	0.00	0.00	3.34	4.53	0.99	0.00	0.00	
17(dominant) 0.00	159.88	0.00	128.52	1.04	15.56	0.00	0.00	165.48	0.00	0.00	0.98	2.35	0.00	0.00	0.00	
17(non-dominant) 0.00	124.96	0.00	107.96	0.92	0.00	0.00	0.00	141.88	0.00	0.00	0.80	2.09	0.00	0.00	0.00	
18(dominant) 0.00	15.00	0.00	16.48	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.00	0.81	0.00	0.00	0.00	
18(non-dominant) 0.00	28.04	0.00	33.00	0.68	0.00	0.00	0.00	28.31	0.00	0.00	0.00	1.29	0.00	0.00	0.00	
19(dominant) 0.00	49.08	5.44	75.44	0.64	0.00	0.00	0.00	70.98	0.00	0.00	1.18	0.96	0.00	0.00	0.00	
19(non-dominant) 0.00	49.76	5.05	64.52	0.76	0.00	0.00	0.00	68.29	0.00	0.00	0.92	1.10	0.00	0.00	0.00	
20(dominant) 0.00	29.20	6.32	52.64	1.68	13.36	0.00	0.00	34.85	0.00	0.00	5.64	7.24	2.58	0.00	0.00	
20(non-dominant) 0.00	18.76	12.14	21.40	0.48	0.00	0.00	0.00	20.54	0.00	0.00	2.08	1.90	1.66	0.00	0.00	
21(dominant) 0.00	149.32	34.03	219.24	2.96	33.60	0.00	0.00	193.08	0.00	0.00	1.96	5.90	2.49	0.00	0.00	
21(non-dominant) 0.00	160.76	43.65	257.08	5.24	40.56	0.00	0.00	218.68	0.00	0.00	1.20	7.17	17.22	0.00	0.00	
22(dominant) 0.00	43.36	0.00	43.24	1.28	12.20	0.00	0.00	56.49	0.00	0.00	0.60	6.85	3.21	0.00	0.00	
22(non-dominant) 0.00	47.24	0.00	41.48	1.28	13.88	0.00	0.00	65.23	0.00	0.00	1.12	9.10	2.40	0.00	0.00	

Participant /hand	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
23(dominant)	0.00	7.96	0.00	4.56	0.00	0.00	0.00	0.00	4.68	0.00	0.00	1.04	0.00	0.00	0.00	0.00
23(non-dominant)	0.00	8.60	0.00	3.56	0.00	0.00	0.00	0.00	4.40	0.00	0.00	1.24	0.39	0.00	0.00	0.00
24(dominant)	0.00	13.40	0.00	11.84	0.00	0.00	0.00	0.00	9.05	0.00	0.00	0.96	0.41	0.00	0.00	0.00
24(non-dominant)	0.00	30.20	0.00	28.92	0.00	1.28	0.00	0.00	28.66	0.00	0.00	1.00	2.21	1.55	0.00	0.00
25(dominant)	0.00	29.56	5.80	37.52	0.84	0.00	0.00	0.00	48.57	0.00	0.00	1.11	4.34	1.13	0.00	0.00
25(non-dominant)	0.00	52.60	12.18	69.44	1.52	15.80	0.00	0.00	85.82	0.00	0.00	1.99	5.43	2.90	0.00	0.00
26(dominant)	0.00	32.96	0.00	44.60	0.00	2.52	0.00	0.00	48.86	0.00	0.00	0.84	1.95	0.00	0.00	0.00
26(non-dominant)	0.00	15.64	0.00	26.64	0.00	1.52	0.00	0.00	19.04	0.00	0.00	0.00	0.87	0.00	0.00	0.00
27(dominant)	0.00	38.44	8.98	18.20	0.00	0.00	0.00	0.00	48.12	0.00	0.00	0.00	1.31	1.52	0.00	0.00
27(non-dominant)	0.00	79.08	0.00	48.96	1.00	0.00	0.00	0.00	87.88	0.00	0.00	0.65	1.79	7.03	0.00	0.00
28(dominant)	0.00	85.88	0.00	203.60	1.60	16.20	0.00	0.00	129.88	0.00	0.00	1.19	3.73	1.02	0.00	0.00
28(non-dominant)	0.00	87.32	0.00	183.52	1.40	13.64	0.00	0.00	122.28	0.00	0.00	1.15	3.34	0.85	0.00	0.00
29(dominant)	0.00	45.44	0.00	83.08	0.72	0.00	0.00	0.00	65.07	0.00	0.00	0.50	2.03	0.43	0.00	0.00
29(non-dominant)	0.00	78.40	0.00	145.56	1.20	0.00	0.00	0.00	104.28	0.00	0.00	1.06	2.87	1.60	0.00	0.00
30(dominant)	0.00	98.76	0.00	227.88	1.96	13.32	0.00	0.00	145.88	0.00	0.00	2.87	5.52	2.19	0.00	0.00
30(non-dominant)	0.00	46.36	0.00	95.08	0.80	5.80	0.00	0.00	74.41	0.00	0.00	1.02	1.96	0.75	0.00	0.00
31(dominant)	0.00	52.28	0.00	121.12	0.96	0.00	0.00	0.00	58.36	0.00	0.00	3.04	1.01	0.00	0.00	0.00
31(non-dominant)	0.00	37.60	0.00	84.84	0.76	0.00	0.00	0.00	39.41	0.00	0.00	1.85	0.98	0.00	0.00	0.00
32(dominant)	0.00	45.72	0.00	71.12	0.64	9.64	0.00	0.00	49.56	0.00	0.00	1.45	0.93	0.00	0.00	0.00
32(non-dominant)	0.00	34.16	0.00	52.64	0.52	7.16	0.00	0.00	35.46	0.00	0.00	1.05	0.64	0.00	0.00	0.00
33(dominant)	0.00	25.64	0.00	44.64	0.68	0.00	0.00	0.00	17.45	0.00	0.00	0.00	0.47	0.00	0.00	0.00
33(non-dominant)	0.00	24.68	0.00	42.72	0.68	0.00	0.00	0.00	15.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34(dominant)	0.00	88.20	0.00	81.44	0.68	0.00	0.00	0.00	95.08	0.00	0.00	2.53	1.37	0.00	0.00	0.00
34(non-dominant)	0.00	84.96	0.00	73.48	0.76	0.00	0.00	0.00	82.28	0.00	0.00	1.91	1.10	0.00	0.00	0.00
35(dominant)	0.00	35.48	13.09	50.28	2.88	18.36	0.00	0.00	33.18	0.00	0.00	1.29	5.52	2.66	0.00	0.00
35(non-dominant)	0.00	35.88	8.91	50.36	2.44	21.04	0.00	0.00	38.85	0.00	0.00	2.19	4.91	1.35	0.00	0.00
36(dominant)	0.00	116.56	21.95	138.92	2.52	25.64	0.00	0.00	159.88	0.00	0.00	3.79	12.48	1.90	0.00	0.00
36(non-dominant)	0.00	94.36	15.99	115.40	2.28	25.48	0.00	0.00	144.28	0.00	0.00	2.77	12.08	2.19	0.00	0.00
37(dominant)	0.00	124.84	20.77	136.84	1.72	19.96	0.00	0.00	144.28	0.00	0.00	3.72	9.54	0.53	0.00	0.00
37(non-dominant)	0.00	143.88	23.13	136.68	2.04	22.80	0.00	0.00	179.88	0.00	0.00	5.11	22.14	0.00	0.00	0.00
38(dominant)	0.00	223.84	0.00	202.28	2.72	34.36	0.00	0.00	197.88	0.00	0.00	5.85	10.07	1.63	0.00	0.00
38(non-dominant)	0.00	0.00	0.00	173.20	2.84	34.00	0.00	0.00	178.68	0.00	0.00	4.83	9.92	2.65	0.00	0.00
39(dominant)	0.00	0.00	0.00	199.72	8.12	69.88	0.00	0.00	1392.28	0.00	0.00	7.05	30.50	22.26	2.78	0.00
39(non-dominant)	0.00	796.12	0.00	160.88	6.40	51.56	0.00	0.00	677.88	0.00	0.00	6.94	22.50	16.46	3.02	0.00
40(dominant)	0.00	205.44	0.00	121.12	2.64	21.36	0.00	0.00	242.28	0.00	0.00	5.49	13.59	0.40	0.00	0.00
40(non-dominant)	0.00	166.92	0.00	106.36	2.16	19.52	0.00	0.00	220.68	0.00	0.00	4.56	12.18	0.42	0.00	0.00
41(dominant)	0.00	87.32	0.00	41.80	0.68	0.00	0.00	0.00	72.35	0.00	0.00	3.67	2.07	8.93	0.00	0.00
41(non-dominant)	0.00	64.52	0.00	36.52	0.68	0.00	0.00	0.00	55.78	0.00	0.00	2.92	2.03	4.21	0.00	0.00
42(dominant)	0.00	0.00	47.20	101.44	0.52	0.00	0.00	0.00	433.48	0.00	0.00	6.26	8.17	14.86	0.00	0.00
42(non-dominant)	0.00	0.00	0.00	98.40	2.32	10.64	0.00	0.00	641.88	0.00	0.00	2.84	7.17	27.25	0.00	0.00
43(dominant)	0.00	26.64	0.00	38.20	1.04	4.96	0.00	0.00	22.58	0.00	0.00	0.51	1.39	0.00	0.00	0.00
43(non-dominant)	0.00	22.88	0.00	31.84	1.20	0.00	0.00	0.00	15.76	0.00	0.00	0.50	1.49	0.00	0.00	0.00
44(dominant)	0.00	0.00	0.00	36.84	0.00	0.00	0.00	0.00	14.41	0.00	0.00	0.68	0.70	0.00	0.00	0.00
44(non-dominant)	0.00	21.20	0.00	39.32	0.52	0.00	0.00	0.00	17.12	0.00	0.00	0.90	1.12	0.00	0.00	0.00
45(dominant)	0.00	9.96	0.00	21.99	1.19	0.00	0.00	0.00	11.90	0.00	0.00	1.76	3.36	1.17	0.00	0.00

Participant /hand	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
45(non-dominant)	0.00	12.98	0.00	24.59	1.34	0.00	0.00	0.00	14.62	0.00	0.00	2.08	3.27	2.44	0.00	0.00
46(dominant)	0.00	18.16	0.00	7.92	0.00	1.20	0.00	0.00	9.57	0.00	0.00	0.71	0.00	0.00	0.00	0.00
46(non-dominant)	0.00	15.24	0.00	6.04	0.00	0.52	0.00	0.00	10.06	0.00	0.00	0.39	0.00	0.00	0.00	0.00
47(dominant)	0.00	25.90	0.00	39.12	2.21	10.23	0.00	0.00	15.72	0.00	0.00	2.91	9.38	0.00	0.00	0.00
47(non-dominant)	0.00	35.94	0.00	59.34	2.90	15.03	0.00	0.00	38.23	0.00	0.00	4.39	14.19	2.62	2.24	0.00
48(dominant)	0.00	78.16	0.00	107.16	1.48	16.60	0.00	0.00	96.28	0.00	0.00	3.77	2.46	1.16	0.00	0.00
48(non-dominant)	0.00	99.12	0.00	126.76	1.88	20.96	0.00	0.00	129.88	0.00	0.00	5.16	4.59	1.89	0.00	0.00
49(dominant)	0.00	52.74	0.00	45.14	1.30	0.00	0.00	0.00	49.15	0.00	0.00	0.95	0.65	0.78	0.00	0.00
49(non-dominant)	0.00	40.27	0.00	32.49	1.13	0.00	0.00	0.00	30.69	0.00	0.00	0.64	0.78	0.00	0.00	0.00
50(dominant)	0.00	72.56	0.00	66.44	0.92	0.00	0.00	0.00	86.68	0.00	0.00	0.65	0.71	0.00	0.00	6.47
50(non-dominant)	0.00	79.60	0.00	82.32	0.88	0.00	0.00	0.00	94.68	0.00	0.00	1.21	1.11	0.00	0.00	5.21
51(dominant)	0.00	36.42	0.00	59.15	0.89	0.00	0.00	0.00	36.11	0.00	0.00	0.86	2.91	2.32	0.00	0.00
51(non-dominant)	0.00	51.98	16.59	91.10	1.00	0.00	0.00	0.00	53.43	0.00	0.00	1.29	3.02	1.65	0.00	0.00
52(dominant)	0.00	36.72	0.00	55.28	0.48	0.00	0.00	0.00	42.39	0.00	0.00	1.21	2.19	0.00	0.00	0.00
52(non-dominant)	0.00	39.36	0.00	49.32	0.60	0.00	0.00	0.00	43.54	0.00	0.00	0.98	1.11	0.00	0.00	0.00
53(dominant)	0.00	116.16	10.56	100.29	3.88	21.82	0.00	0.00	155.42	0.00	0.00	3.06	16.37	0.72	0.00	0.00
53(non-dominant)	0.00	68.20	0.00	63.97	2.60	13.38	0.00	0.00	82.63	0.00	0.00	1.73	15.67	0.00	0.00	0.00
54(dominant)	0.00	187.08	24.59	114.56	1.36	9.36	0.00	0.00	164.68	0.00	0.00	2.68	4.56	1.47	0.00	0.00
54(non-dominant)	0.00	77.64	13.17	50.72	0.64	0.00	0.00	0.00	185.48	0.00	0.00	1.79	2.14	0.94	0.00	0.00
55(dominant)	0.00	108.52	43.00	196.40	2.72	31.48	0.00	0.00	170.28	0.00	0.00	2.22	10.17	2.66	0.00	0.00
55(non-dominant)	0.00	73.16	22.31	136.88	1.92	21.80	0.00	0.00	105.48	0.00	0.00	1.37	5.29	0.60	0.00	0.00
56(dominant)	0.00	16.28	0.00	23.28	0.44	0.00	0.00	0.00	28.17	0.00	0.00	1.08	0.43	0.00	0.00	0.00
56(non-dominant)	0.00	29.32	0.00	44.80	1.04	0.00	0.00	0.00	14.20	0.00	0.00	0.66	0.00	0.00	0.00	0.00
57(dominant)	0.00	15.08	0.00	26.12	0.00	3.60	0.00	0.00	12.95	0.00	0.00	0.00	0.83	0.00	0.00	0.00
57(non-dominant)	0.00	21.60	0.00	36.12	0.44	6.20	0.00	0.00	25.05	0.00	0.00	0.00	1.24	0.00	0.00	0.00
58(dominant)	0.00	41.84	11.27	65.32	1.16	8.44	0.00	0.00	44.87	0.00	0.00	1.72	2.42	0.00	0.00	0.00
58(non-dominant)	0.00	45.44	12.75	80.72	1.20	11.24	0.00	0.00	57.16	0.00	11.24	1.07	2.09	0.54	0.00	0.00
59(dominant)	0.00	30.08	0.00	51.64	1.48	9.52	0.00	0.00	50.93	0.00	0.00	1.00	2.28	0.00	0.00	0.00
59(non-dominant)	0.00	24.00	7.52	44.80	1.52	10.36	0.00	0.00	42.28	0.00	0.00	1.03	2.67	0.00	0.00	0.00
60(dominant)	0.00	55.08	0.00	93.20	2.40	23.20	0.00	0.00	103.43	0.00	0.00	1.23	4.46	3.68	0.00	0.00
60(non-dominant)	0.00	50.00	0.00	90.96	2.36	22.16	0.00	1.24	95.55	0.00	0.00	1.61	3.66	3.05	0.00	0.00
61(dominant)	0.00	15.00	0.00	14.04	0.76	0.00	0.00	0.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61(non-dominant)	0.00	31.64	0.00	25.00	1.44	13.44	0.00	0.64	40.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62(dominant)	0.00	14.80	0.00	43.80	1.64	48.88	0.00	0.00	22.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62(non-dominant)	0.00	15.04	0.00	26.36	1.80	0.00	0.00	0.00	15.29	0.00	0.00	0.00	0.59	0.00	0.00	0.00
63(dominant)	0.00	19.04	0.00	33.24	1.60	31.40	0.00	0.00	16.27	0.00	0.00	0.46	0.00	0.00	0.00	0.00
63(non-dominant)	0.00	6.40	0.00	11.16	0.56	0.00	0.00	0.00	4.54	0.00	0.00	0.60	0.00	0.00	0.00	0.00
64(dominant)	0.00	18.16	0.00	31.36	1.08	21.40	0.00	0.00	19.40	0.00	0.00	0.57	0.00	0.00	0.00	0.00
64(non-dominant)	0.00	32.80	0.00	47.12	1.96	48.56	0.00	0.00	35.68	0.00	0.00	0.41	0.56	0.00	0.00	0.00
65(dominant)	0.00	95.44	0.00	115.68	2.24	31.84	0.00	0.00	63.67	0.00	0.00	0.54	1.81	0.00	0.00	0.57
65(non-dominant)	0.00	69.08	0.00	84.56	1.72	0.00	0.00	0.00	50.56	0.00	0.00	0.61	1.55	0.00	0.00	0.00
66(dominant)	0.00	22.96	0.00	20.76	0.76	0.00	0.00	0.00	21.63	0.00	0.00	0.84	0.00	0.00	0.00	0.00
66(non-dominant)	0.00	57.28	0.00	65.12	1.80	0.00	0.00	0.00	56.51	0.00	0.00	1.32	1.13	0.00	0.00	0.00
67(dominant)	0.00	36.16	0.00	23.88	1.20	21.52	0.00	0.00	50.27	0.00	0.00	0.89	0.00	0.00	0.00	0.00
67(non-dominant)	0.00	37.72	0.00	30.28	1.16	0.00	0.00	0.00	52.46	0.00	0.00	0.93	0.00	0.00	0.00	0.00

Participant /hand	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
68(dominant)	0.00	113.84	0.00	140.20	2.40	38.44	0.00	0.00	129.08	0.00	0.00	2.53	2.36	1.00	0.00	0.00
68(non-dominant)	0.00	46.16	0.00	62.96	1.28	0.00	0.00	0.00	51.41	0.00	0.00	1.67	0.81	0.00	0.00	0.00
69(dominant)	0.00	8.28	0.00	11.08	0.84	12.76	0.00	0.00	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69(non-dominant)	0.00	6.60	0.00	6.72	1.00	16.48	0.00	0.00	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70(dominant)	0.00	52.60	0.00	61.08	3.00	40.60	0.00	0.00	76.39	0.00	0.00	1.26	5.71	0.38	0.00	0.00
70(non-dominant)	0.00	44.80	0.00	49.60	2.76	34.24	0.00	0.00	61.93	0.00	0.00	1.46	8.31	0.00	0.00	0.00
71(dominant)	0.00	22.60	0.00	12.48	0.00	1.76	0.00	0.00	11.43	0.00	0.00	0.00	20.97	0.00	0.00	0.00
71(non-dominant)	0.00	24.12	0.00	12.56	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	17.23	0.39	0.00	0.00
72(dominant)	0.00	27.92	0.00	33.32	1.04	8.60	0.00	0.00	30.37	0.00	0.00	0.00	0.81	0.00	0.00	0.00
72(non-dominant)	0.00	44.44	0.00	52.16	1.12	0.00	0.00	0.00	45.88	0.00	0.00	0.00	0.78	0.00	0.00	0.00
73(dominant)	0.00	39.00	0.00	108.88	2.44	42.80	0.00	0.00	65.54	0.00	0.00	0.47	1.30	1.48	0.00	0.00
73(non-dominant)	0.00	57.92	0.00	161.04	3.80	93.44	0.00	0.00	80.20	0.00	0.00	0.90	2.06	2.38	0.00	0.00
74(dominant)	0.00	121.00	0.00	177.96	1.52	28.64	0.00	0.00	152.24	0.00	0.00	1.89	3.63	1.91	0.00	0.00
74(non-dominant)	0.00	115.88	0.00	176.60	1.76	36.00	0.00	0.00	199.48	0.00	0.00	1.92	2.95	1.45	0.00	0.00
75(dominant)	0.00	472.20	0.00	205.12	4.44	28.52	0.00	0.00	564.28	0.00	0.00	3.83	5.20	2.23	0.00	0.00
75(non-dominant)	0.00	131.04	0.00	142.48	2.08	0.00	0.00	0.00	325.32	0.00	0.00	1.20	5.40	1.42	0.00	0.00
76(dominant)	0.00	85.04	0.00	70.32	2.00	14.84	0.00	0.00	97.44	0.00	0.00	0.68	1.04	0.00	0.00	0.00
76(non-dominant)	0.00	47.12	0.00	38.28	1.44	0.00	0.00	0.00	68.21	0.00	0.00	0.00	0.48	0.00	0.00	0.00
77(dominant)	0.00	23.28	0.00	27.88	1.12	0.00	0.00	0.00	24.67	0.00	0.00	0.00	0.40	0.00	0.00	0.00
77(non-dominant)	0.00	32.60	0.00	41.56	1.32	0.00	0.00	0.00	36.95	0.00	0.00	0.00	0.76	0.00	0.00	0.00
78(dominant)	0.00	82.52	0.00	83.20	2.32	23.36	0.00	0.00	105.24	0.00	0.00	6.44	3.84	0.00	0.00	0.00
78(non-dominant)	0.00	87.24	0.00	88.64	2.56	27.68	0.00	0.00	116.40	0.00	0.00	5.28	3.72	0.00	0.00	0.00
79(dominant)	0.00	110.76	0.00	112.16	2.72	28.80	0.00	0.00	140.68	0.00	0.00	1.34	3.92	0.00	0.00	0.72
79(non-dominant)	0.00	61.28	0.00	70.72	2.08	17.96	0.00	0.00	86.68	0.00	0.00	0.71	2.80	0.00	0.00	0.40
80(dominant)	0.00	72.56	0.00	98.00	1.00	0.00	0.00	0.00	105.48	0.00	0.00	0.00	1.44	0.00	0.00	0.00
80(non-dominant)	0.00	111.60	0.00	139.64	1.84	12.76	0.00	0.00	157.04	0.00	0.00	0.00	2.56	0.00	0.00	0.00
81(dominant)	0.00	64.60	0.00	51.52	2.44	25.04	0.00	0.00	90.36	0.00	0.00	0.65	2.12	1.80	0.00	0.00
81(non-dominant)	0.00	74.68	0.00	59.44	2.40	29.64	0.00	0.00	115.72	0.00	0.00	1.12	2.28	1.80	0.00	0.00
82(dominant)	0.00	57.52	0.00	35.68	1.16	0.00	0.00	0.00	78.76	0.00	0.60	7.69	1.84	0.00	0.00	0.00
82(non-dominant)	0.00	55.60	0.00	31.60	1.00	0.00	0.00	0.00	75.66	0.00	1.04	6.39	0.00	0.00	0.00	0.00
83(dominant)	0.00	35.24	0.00	23.88	1.28	0.00	0.00	0.00	32.80	0.00	0.00	0.62	0.96	0.00	0.00	0.52
83(non-dominant)	0.00	36.64	0.00	28.24	1.12	0.00	0.00	0.00	35.09	0.00	0.00	0.00	0.56	0.00	0.00	0.48
84(dominant)	0.00	24.44	0.00	29.16	1.20	0.00	0.00	0.00	35.46	0.00	0.00	0.00	1.76	0.00	0.00	0.00
84(non-dominant)	0.00	18.16	0.00	28.92	1.60	17.88	0.00	0.00	25.87	0.00	0.00	0.00	0.96	0.00	0.00	0.00
85(dominant)	0.00	20.56	0.00	29.88	1.24	0.00	0.00	0.00	20.01	0.00	0.00	0.52	0.67	0.00	0.00	0.00
85(non-dominant)	0.00	21.40	0.00	28.44	1.28	0.00	0.00	0.00	18.34	0.00	0.00	0.59	0.00	0.00	0.00	0.00
86(dominant)	0.00	34.92	5.61	36.76	1.44	0.00	0.00	0.00	46.02	0.00	0.00	0.00	0.72	0.59	0.00	0.00
86(non-dominant)	0.00	71.72	9.89	61.20	1.96	0.00	0.00	0.00	93.48	0.00	0.00	0.65	1.69	2.03	0.00	0.00
87(dominant)	0.00	28.96	6.89	38.04	1.12	0.00	0.00	0.00	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87(non-dominant)	0.00	28.20	6.86	37.12	1.16	0.00	0.00	0.00	20.91	0.00	0.00	0.00	0.91	0.00	0.00	0.00
88(dominant)	0.00	22.84	0.00	29.36	1.24	0.00	0.00	0.00	24.55	0.00	0.00	1.11	2.75	0.00	0.00	0.00
88(non-dominant)	0.00	21.56	0.00	31.56	1.36	0.00	0.00	0.00	21.77	0.00	0.00	1.13	3.14	0.00	0.00	0.00
89(dominant)	0.00	243.20	0.00	124.40	1.76	15.40	0.00	0.00	47.81	0.00	0.00	0.44	2.11	0.00	0.00	0.00
89(non-dominant)	0.00	382.80	0.00	202.00	3.52	30.92	0.00	0.00	22.96	0.00	0.00	0.00	1.09	0.00	0.00	0.00
90(dominant)	0.00	41.20	3.20	36.56	0.76	5.16	0.00	0.84	59.70	0.00	0.00	1.18	2.02	1.88	0.00	0.00

Participant	Lithium /hand (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
135(non-dominant)	0.00	6.45	20.19	6.65	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136(dominant)	0.00	32.30	0.00	44.96	1.32	0.00	0.00	0.00	42.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136(non-dominant)	0.00	34.47	0.00	42.38	1.26	0.00	0.00	0.00	42.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137(dominant)	0.00	8.14	0.00	1.54	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137(non-dominant)	0.00	12.83	0.00	3.02	0.00	0.00	0.00	0.00	5.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138(dominant)	0.00	109.11	7.76	59.02	1.37	6.30	0.00	0.00	157.18	0.00	0.00	0.00	0.77	157.18	0.00	0.00
138(non-dominant)	0.00	182.92	11.79	83.61	1.50	8.31	0.00	0.00	248.62	0.00	0.00	0.00	1.44	0.00	0.00	0.00
139(dominant)	0.00	55.79	3.01	77.09	1.09	0.00	0.00	0.00	67.98	0.00	0.00	1.53	1.07	0.00	0.00	0.00
139(non-dominant)	0.00	36.68	0.00	54.23	0.73	0.00	0.00	0.00	54.69	0.00	0.00	0.00	1.28	0.00	0.00	0.00
140(dominant)	0.00	53.22	8.70	176.53	1.47	10.16	0.00	0.00	76.79	0.00	0.00	0.56	1.68	0.00	0.00	0.00
140(non-dominant)	0.00	49.34	4.84	148.51	1.85	9.91	0.00	0.00	73.72	0.00	0.00	0.54	1.43	0.00	0.00	0.00
141(dominant)	0.00	14.14	0.00	36.81	0.76	0.00	0.00	0.00	11.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141(non-dominant)	0.00	15.46	0.00	36.48	0.75	0.00	0.00	0.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142(dominant)	0.00	105.83	6.27	65.48	1.22	4.83	0.00	0.00	110.95	0.00	0.00	0.00	1.10	0.00	0.00	0.00
142(non-dominant)	0.00	80.77	0.00	52.26	1.13	4.28	0.00	0.00	88.82	0.00	0.00	0.00	0.70	0.00	0.00	0.00
143(dominant)	0.00	48.04	5.20	43.39	1.89	8.97	0.00	0.00	15.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143(non-dominant)	0.00	66.79	6.93	63.03	2.38	14.16	0.00	0.00	69.49	0.00	0.00	1.37	3.54	2.07	0.00	0.00
144(dominant)	0.00	12.56	0.00	22.52	0.84	0.00	0.00	0.00	31.87	0.00	0.00	2.93	10.84	2.61	0.00	0.00
144(non-dominant)	0.00	13.40	0.00	19.88	0.72	0.00	0.00	0.00	12.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145(dominant)	0.00	30.24	0.00	52.16	1.52	0.00	0.00	0.00	197.27	0.00	0.00	3.12	3.22	0.00	0.00	0.00
145(non-dominant)	0.00	25.76	0.00	47.84	1.56	0.00	0.00	0.00	34.31	0.00	0.00	2.23	2.14	0.00	0.00	0.00
146(dominant)	0.00	108.12	0.00	44.44	1.52	0.00	0.00	0.00	165.57	0.00	0.00	0.00	0.42	0.00	0.00	0.00
146(non-dominant)	0.00	207.88	0.00	79.76	2.56	40.16	0.00	0.00	115.56	0.00	0.00	0.00	1.67	0.00	0.00	0.00
147(dominant)	0.00	125.48	0.00	51.08	7.20	93.52	0.00	0.00	105.42	0.00	0.00	1.26	3.51	2.37	0.00	0.00
147(non-dominant)	0.00	128.56	0.00	47.64	6.64	101.80	0.00	0.00	154.69	0.00	0.00	15.65	49.15	6.81	0.00	0.00
148(dominant)	0.00	61.84	0.00	53.48	2.60	44.40	0.00	0.00	229.40	0.00	0.00	0.92	7.29	0.00	0.00	0.00
148(non-dominant)	0.00	79.96	0.00	68.00	2.76	56.08	0.00	0.00	78.52	0.00	0.00	1.13	3.67	2.23	0.00	0.00
149(dominant)	0.00	121.60	0.00	103.00	2.44	45.12	0.00	0.00	40.99	0.00	0.00	0.72	2.94	0.00	0.00	0.00
149(non-dominant)	0.00	176.04	0.00	128.20	2.76	57.12	0.00	0.00	166.55	0.00	0.00	0.62	6.75	0.00	0.00	0.00
150(dominant)	0.00	41.16	0.00	62.60	2.72	56.96	0.00	0.00	33.97	0.00	0.00	0.00	0.87	0.00	0.00	0.00
150(non-dominant)	0.00	35.68	0.00	55.68	2.12	38.36	0.00	0.00	46.11	0.00	0.00	0.94	3.30	0.00	0.00	0.00
151(dominant)	0.00	46.56	0.00	64.32	1.80	25.28	0.00	0.00	177.63	0.00	0.00	0.81	5.20	4.70	0.00	0.00
151(non-dominant)	0.00	42.64	0.00	59.32	2.16	29.52	0.00	0.00	41.36	0.00	0.00	0.00	1.20	0.00	0.00	0.00
152(dominant)	0.00	144.16	0.00	152.08	3.24	71.80	0.00	0.00	14.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152(non-dominant)	0.00	82.40	0.00	91.36	1.92	33.84	0.00	0.00	109.43	0.00	0.00	0.61	2.72	0.00	0.00	0.00
153(dominant)	0.00	51.59	0.00	21.31	1.17	0.00	0.00	0.00	51.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153(non-dominant)	0.00	62.49	0.00	23.40	1.21	0.00	0.00	0.00	67.40	0.00	0.00	0.00	1.02	0.00	0.00	0.00
154(dominant)	0.00	31.46	9.21	75.87	2.48	12.83	0.00	0.00	51.01	0.00	0.00	0.00	3.45	0.00	0.00	0.00
154(non-dominant)	0.00	34.48	7.76	77.48	2.62	16.83	0.00	0.00	49.95	0.00	0.00	0.73	3.23	0.00	0.00	0.00
155(dominant)	0.00	107.84	9.97	171.89	3.14	32.78	0.00	0.00	119.42	0.00	0.00	1.05	8.16	0.00	0.00	0.00
155(non-dominant)	0.00	105.74	6.47	177.50	3.16	38.39	0.00	0.00	123.32	0.00	0.00	0.60	5.43	0.00	0.00	0.00
156(dominant)	0.00	7.37	4.85	23.31	1.05	0.00	0.00	0.00	7.91	0.00	0.00	0.00	1.05	0.00	0.00	0.00
156(non-dominant)	0.00	8.80	0.00	22.58	1.02	3.48	0.00	0.00	8.73	0.00	0.00	0.00	0.94	0.00	0.00	0.00
157(dominant)	0.00	67.96	0.00	48.13	2.31	14.53	0.00	0.00	122.16	0.00	0.00	0.62	2.77	3.20	0.00	0.00
157(non-dominant)	0.00	78.66	0.00	59.39	2.51	16.69	0.00	0.00	178.91	0.00	0.00	0.00	2.45	2.61	0.00	0.00

Participant	Lithium /hand (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
158(dominant)	0.00	186.60	0.00	69.67	1.76	0.00	0.00	0.00	142.42	0.00	0.00	0.00	2.36	0.00	0.00	0.00
158(non-dominant)	0.00	147.47	0.00	60.71	1.61	8.71	0.00	0.00	130.43	0.00	0.00	0.96	2.07	0.00	0.00	0.00
159(dominant)	0.00	75.42	7.65	130.88	2.36	14.13	0.00	0.00	81.10	0.00	0.00	1.09	2.46	0.00	0.00	0.00
159(non-dominant)	0.00	69.58	5.48	106.71	2.26	13.21	0.00	0.00	73.02	0.00	0.00	1.09	2.30	0.00	0.00	0.00
160(dominant)	0.00	20.59	0.00	47.63	1.65	11.06	0.00	0.00	25.72	0.00	0.00	0.00	1.58	0.00	0.00	0.00
160(non-dominant)	0.00	10.83	0.00	64.50	0.00	15.79	0.00	0.00	33.96	0.00	0.00	0.00	1.53	0.00	0.00	0.00
161(dominant)	0.00	56.60	0.00	65.88	1.57	0.00	0.00	0.00	59.96	0.00	0.00	0.00	2.22	0.00	0.00	0.00
161(non-dominant)	0.00	65.65	0.00	75.76	1.62	8.79	0.00	0.00	74.44	0.00	0.00	0.77	3.81	0.00	0.00	0.00
162(dominant)	0.00	24.75	4.21	46.08	2.45	7.97	0.00	0.00	24.72	0.00	0.00	2.29	4.17	0.00	0.00	0.00
162(non-dominant)	0.00	30.29	4.56	55.62	3.48	13.84	0.00	0.00	28.64	0.00	0.00	2.68	12.29	0.00	0.00	0.00
163(dominant)	0.00	52.25	7.77	88.92	1.71	0.00	0.00	0.00	36.93	0.00	0.00	0.00	3.27	0.00	0.00	0.00
163(non-dominant)	0.00	63.67	10.48	103.89	2.65	0.00	0.00	0.00	45.18	0.00	0.00	0.83	4.23	0.66	0.00	0.00
164(dominant)	0.00	79.91	8.89	144.33	1.84	8.80	0.00	0.00	76.30	0.00	0.00	2.29	2.62	0.00	0.00	0.00
164(non-dominant)	0.00	87.76	9.55	149.39	1.84	8.63	0.00	0.00	86.35	0.00	0.00	4.97	3.78	0.00	0.00	0.00
165(dominant)	0.00	35.56	3.12	81.26	1.63	0.00	0.00	0.00	56.31	0.00	0.00	0.00	1.66	0.00	0.00	0.00
165(non-dominant)	0.00	90.49	4.97	174.46	3.37	23.66	0.00	0.00	168.94	0.00	0.00	1.55	3.32	0.00	0.00	0.00
166(dominant)	0.00	74.68	16.53	92.76	0.00	13.77	0.00	0.00	106.24	0.00	0.00	0.58	2.37	1.29	0.00	0.00
166(non-dominant)	0.00	112.51	17.39	126.46	0.00	24.50	0.00	0.00	146.47	0.00	0.00	0.00	3.67	0.55	0.00	0.00
167(dominant)	0.00	34.10	0.00	33.15	1.30	0.00	0.00	0.00	36.36	0.00	0.00	0.00	0.95	0.00	0.00	0.00
167(non-dominant)	0.00	40.11	3.56	32.04	1.25	0.00	0.00	0.00	47.23	0.00	0.00	0.00	0.95	0.00	0.00	0.00
168(dominant)	0.00	43.76	3.41	45.50	2.14	9.61	0.00	0.00	36.13	0.00	0.00	0.00	2.65	0.00	0.00	0.00
168(non-dominant)	0.00	48.41	3.31	44.96	2.51	9.21	0.00	0.00	36.47	0.00	0.00	0.00	2.97	0.00	0.00	0.00
169(dominant)	0.00	48.71	7.95	194.76	4.46	16.31	0.00	0.00	75.41	0.00	0.00	0.00	4.36	0.00	0.00	0.00
169(non-dominant)	0.00	57.33	7.15	218.60	5.27	18.03	0.00	0.00	66.34	0.00	0.00	0.00	8.39	0.00	0.00	0.00
170(dominant)	0.00	10.63	13.95	9.27	0.57	0.00	0.00	0.00	10.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170(non-dominant)	0.00	6.45	19.12	8.76	0.44	0.00	0.00	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171(dominant)	0.00	68.46	0.00	161.38	6.02	31.51	0.00	0.00	87.74	0.00	0.00	1.93	6.55	0.00	0.00	0.00
171(non-dominant)	0.00	124.00	0.00	276.81	10.37	48.33	0.00	0.00	127.90	0.00	0.00	9.01	9.60	1.66	0.00	0.00
172(dominant)	0.00	100.84	0.00	46.96	0.00	0.00	0.00	0.00	101.84	0.00	0.00	0.00	1.82	0.00	0.00	0.00
172(non-dominant)	0.00	273.52	0.00	100.68	0.00	0.00	0.00	0.00	288.33	0.00	0.00	0.00	4.86	0.00	0.00	0.00
173(dominant)	0.00	52.16	0.00	73.40	2.28	23.92	0.00	0.00	50.45	0.00	0.00	0.00	2.86	0.00	0.00	0.00
173(non-dominant)	0.00	52.16	0.00	80.84	2.76	27.20	0.00	0.00	48.34	0.00	0.00	0.00	2.73	0.00	0.00	0.00
174(dominant)	0.00	16.12	0.00	31.16	0.00	0.00	0.00	0.00	8.70	0.00	0.00	0.00	1.18	0.00	0.00	0.00
174(non-dominant)	0.00	10.68	0.00	19.56	0.84	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175(dominant)	0.00	18.16	0.00	21.60	1.12	0.00	0.00	0.00	24.75	0.00	0.00	0.00	1.73	0.00	0.00	0.00
175(non-dominant)	0.00	19.64	0.00	23.72	1.12	0.00	0.00	0.00	27.33	0.00	0.00	0.00	1.42	0.00	0.00	0.00
176(dominant)	0.00	7.52	0.00	7.36	0.40	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176(non-dominant)	0.00	6.60	0.00	9.76	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177(dominant)	0.00	79.60	0.00	22.00	1.32	7.56	0.00	0.00	110.53	0.00	0.00	0.00	1.63	0.00	0.00	0.00
177(non-dominant)	0.00	57.88	0.00	19.00	0.76	0.00	0.00	0.00	81.98	0.00	0.00	0.00	1.64	0.00	0.00	0.00
178(dominant)	0.00	30.00	0.00	30.00	1.24	0.00	0.00	0.00	31.56	0.00	0.00	0.00	1.39	0.00	0.00	0.00
178(non-dominant)	0.00	58.72	0.00	54.68	2.00	13.52	0.00	0.00	57.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179(dominant)	0.00	14.60	0.00	15.04	1.00	0.00	0.00	0.00	8.89	0.00	0.00	0.00	0.70	0.00	0.00	0.00
179(non-dominant)	0.00	16.00	0.00	15.40	1.52	0.00	0.00	0.00	8.25	0.00	0.00	0.00	0.42	0.00	0.00	0.00
180(dominant)	0.00	13.76	0.00	19.24	0.76	0.00	0.00	0.00	17.79	0.00	0.00	0.00	0.75	0.00	0.00	0.00

Participant	Lithium /hand (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
203(dominant)	0.00	126.88	15.71	97.00	4.08	16.60	0.00	0.00	98.76	0.00	0.00	0.00	4.20	2.78	0.00	0.00
203(non-dominant)	0.00	108.08	12.09	76.16	3.04	11.72	0.00	0.00	79.29	0.00	0.00	0.00	3.20	2.97	0.00	0.00
204(dominant)	0.00	154.84	7.74	92.52	3.24	14.28	0.00	0.00	155.98	0.00	0.00	0.00	4.79	0.00	0.00	0.00
204(non-dominant)	0.00	126.64	6.24	80.60	2.64	10.80	0.00	0.00	118.53	0.00	0.00	0.00	3.96	0.00	0.00	0.00
205(dominant)	0.00	30.72	2.13	32.72	1.24	0.00	0.00	0.00	26.50	0.00	0.00	0.00	1.58	0.00	0.00	0.00
205(non-dominant)	0.00	50.28	0.00	47.28	1.52	5.20	0.00	0.00	38.80	0.00	0.00	0.00	2.78	0.00	0.00	0.00
206(dominant)	0.00	89.40	4.65	53.92	1.32	0.00	0.00	0.00	101.67	0.00	0.00	0.00	3.79	2.77	0.00	0.00
206(non-dominant)	0.00	213.96	12.29	110.80	2.12	8.60	0.00	0.00	140.64	0.00	0.00	0.00	4.73	3.41	0.00	0.00
207(dominant)	0.00	57.52	8.25	60.16	1.72	7.72	0.00	0.00	26.07	0.00	0.00	0.00	1.62	3.00	0.00	0.00
207(non-dominant)	0.00	97.00	9.98	96.48	2.36	14.16	0.00	0.00	39.62	0.00	0.00	0.00	2.83	0.00	0.00	0.00
208(dominant)	0.00	111.64	8.90	117.60	2.12	9.40	0.00	0.00	171.64	0.00	0.00	0.00	4.61	2.27	0.00	0.00
208(non-dominant)	0.00	91.52	6.09	102.60	1.76	8.36	0.00	0.00	140.32	0.00	0.00	0.00	3.58	0.93	0.00	0.00
209(dominant)	0.00	28.04	4.53	65.12	1.88	7.12	0.00	0.00	22.48	0.00	0.00	0.00	1.74	0.00	0.00	0.00
209(non-dominant)	0.00	8.20	0.00	10.48	0.00	0.00	0.00	0.00	4.33	0.00	0.00	0.00	0.49	0.00	0.00	0.00
210(dominant)	0.00	26.28	3.58	26.24	1.24	6.20	0.00	0.00	30.52	0.00	0.00	0.00	3.34	0.00	0.00	0.00
210(non-dominant)	0.00	43.16	8.07	43.84	1.96	9.44	0.00	0.00	45.88	0.00	0.00	0.00	4.68	0.00	0.00	0.00
211(dominant)	0.00	30.80	3.92	59.08	3.04	8.96	0.00	0.00	21.85	0.00	0.00	0.00	2.41	0.00	0.00	0.00
211(non-dominant)	0.00	16.60	0.00	29.88	1.68	0.00	0.00	0.00	11.26	0.00	0.00	0.00	2.05	0.65	0.00	0.00
212(dominant)	0.00	91.60	23.68	215.04	3.60	27.80	0.00	0.00	191.05	0.00	0.00	1.35	16.28	1.42	0.00	0.00
212(non-dominant)	0.00	124.24	23.20	212.76	4.20	32.36	0.00	0.00	228.08	0.00	0.00	2.19	17.03	1.96	0.00	0.00
213(dominant)	0.00	178.56	23.19	182.64	5.60	34.76	0.00	0.00	185.97	0.00	0.00	2.77	14.95	3.20	0.00	0.00
213(non-dominant)	0.00	217.68	32.04	207.00	6.88	41.32	0.00	0.00	232.59	0.00	0.00	6.01	20.00	4.00	0.00	0.00
214(dominant)	0.00	355.92	30.89	579.68	10.56	86.72	0.00	0.00	560.39	0.00	0.00	6.67	36.67	7.02	0.00	0.00
214(non-dominant)	0.00	328.16	24.73	546.92	10.44	80.28	0.00	0.00	514.62	0.00	0.00	6.93	32.09	6.87	0.00	0.00
215(dominant)	0.00	76.60	15.03	131.76	2.96	20.32	0.00	0.00	63.85	0.00	0.00	0.00	7.21	0.00	0.00	0.00
215(non-dominant)	0.00	86.60	20.00	153.24	3.52	23.44	0.00	0.00	75.05	0.00	0.00	0.00	8.85	0.89	0.00	0.00
216(dominant)	0.00	206.60	24.02	214.44	2.96	25.72	0.00	0.00	228.56	0.00	0.00	0.89	12.78	1.27	0.00	0.00
216(non-dominant)	0.00	202.48	16.95	203.52	3.96	24.36	0.00	0.00	229.69	0.00	0.00	1.09	14.37	1.14	0.00	0.00
217(dominant)	0.00	109.32	3.96	82.04	1.80	0.00	0.00	0.00	103.51	0.00	0.00	0.58	5.54	0.00	0.00	0.00
217(non-dominant)	0.00	141.16	0.00	100.16	2.48	9.20	0.00	0.00	136.93	0.00	0.00	1.94	6.43	0.86	0.00	0.00
218(dominant)	0.00	26.80	10.38	69.64	2.24	10.32	0.00	0.00	35.13	0.00	0.00	0.00	4.76	0.00	0.00	0.00
218(non-dominant)	0.00	30.44	9.85	80.52	2.56	12.64	0.00	0.00	43.34	0.00	0.00	0.00	6.17	0.00	0.00	0.00
219(dominant)	0.00	307.08	0.00	528.64	7.08	25.60	0.00	0.00	567.65	0.00	0.00	6.64	19.61	1.75	0.00	0.00
219(non-dominant)	0.00	348.44	0.00	587.36	6.24	24.20	0.00	0.00	635.75	0.00	0.00	4.38	17.05	0.94	0.00	0.00
220(dominant)	0.00	50.84	11.09	46.04	1.96	29.68	0.00	0.00	65.93	0.00	0.00	0.54	1.61	0.00	0.00	0.00
220(non-dominant)	0.00	62.92	7.64	56.44	2.36	32.32	0.00	0.00	79.16	0.00	0.00	0.00	2.30	0.42	0.00	0.00
221(dominant)	0.00	561.92	0.00	239.40	5.64	75.16	0.00	0.00	995.38	0.00	0.00	4.95	21.74	3.25	0.00	0.00
221(non-dominant)	0.00	457.72	0.00	168.12	4.04	58.92	0.00	0.00	580.32	0.00	0.00	3.52	16.12	0.00	0.00	0.00
222(dominant)	0.00	14.12	0.00	18.16	0.48	1.96	0.00	0.00	45.00	0.00	0.00	7.56	8.36	2.80	0.00	0.00
222(non-dominant)	0.00	9.12	0.00	8.12	0.00	1.36	0.00	0.00	47.40	0.00	0.00	7.00	10.12	3.12	0.00	0.00
223(dominant)	0.00	82.28	14.49	100.44	1.88	11.84	0.00	0.00	78.19	0.00	0.00	0.00	1.90	0.65	0.00	0.00
223(non-dominant)	0.00	46.80	0.00	67.92	1.48	0.00	0.00	0.00	45.97	0.00	0.00	0.00	0.90	0.00	0.00	0.00
224(dominant)	0.00	5.16	2.20	11.44	0.00	1.60	0.00	0.00	10.80	0.00	0.00	2.68	2.80	2.04	0.00	0.00
224(non-dominant)	0.00	6.68	2.68	13.12	0.00	0.00	0.00	0.00	6.84	0.00	0.00	1.84	0.00	0.00	0.00	0.00
225(dominant)	0.00	37.52	0.00	72.04	1.64	35.84	0.00	0.00	55.60	0.00	0.00	0.00	2.68	2.32	0.00	0.00

Participant /hand	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
225(non-dominant)	0.00	25.08	0.00	49.00	1.36	0.00	0.00	0.00	40.76	0.00	0.00	0.00	1.64	0.00	0.00	0.00
226(dominant)	0.00	77.28	0.00	113.20	6.20	16.40	0.00	0.00	77.35	0.00	0.00	5.56	4.56	0.88	0.00	0.00
226(non-dominant)	0.00	69.52	0.00	106.00	5.48	18.88	0.00	0.00	106.96	0.00	0.00	5.52	4.68	0.96	0.00	0.00
227(dominant)	0.00	64.60	0.00	57.52	3.16	8.92	0.00	0.00	83.37	0.00	0.00	1.54	7.94	0.00	0.00	0.00
227(non-dominant)	0.00	78.80	0.00	66.36	3.88	10.40	0.00	0.00	105.21	0.00	0.00	1.93	11.90	0.00	0.00	0.00
228(dominant)	0.00	29.92	0.00	34.88	0.00	0.00	0.00	0.00	37.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
228(non-dominant)	0.00	24.24	0.00	22.12	0.00	0.00	0.00	0.00	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229(dominant)	0.00	44.72	0.00	43.68	1.40	0.00	0.00	0.00	19.96	0.00	0.00	8.06	0.78	0.00	0.00	0.00
229(non-dominant)	0.00	52.08	0.00	52.48	1.56	0.00	0.00	0.00	23.25	0.00	0.00	5.13	0.80	0.00	0.00	0.00
230(dominant)	0.00	53.80	0.00	83.64	2.80	17.64	0.00	0.00	69.26	0.00	0.00	9.30	3.34	0.00	0.00	0.00
230(non-dominant)	0.00	30.24	0.00	46.76	1.96	0.00	0.00	0.00	33.27	0.00	0.00	4.35	2.06	0.00	0.00	0.00
231(dominant)	0.00	25.52	7.77	31.80	1.60	0.00	0.00	0.00	12.82	0.00	0.00	0.00	0.67	0.00	0.00	0.00
231(non-dominant)	0.00	24.48	6.63	28.32	1.40	0.00	0.00	0.00	11.88	0.00	0.00	0.00	0.56	0.00	0.00	0.00
232(dominant)	0.00	51.80	0.00	49.20	2.64	26.48	0.00	0.00	77.69	0.00	0.00	2.89	7.18	2.33	0.00	0.00
232(non-dominant)	0.00	56.72	0.00	49.36	2.76	24.36	0.00	0.00	82.87	0.00	0.00	4.00	7.47	2.65	0.00	0.00
233(dominant)	0.00	49.16	0.00	33.52	1.48	14.12	0.00	0.00	3.54	0.00	0.00	0.47	1.56	0.00	0.00	0.00
233(non-dominant)	0.00	46.72	0.00	27.56	1.72	12.88	0.00	0.00	47.49	0.00	0.00	1.35	2.70	0.00	0.00	0.00
234(dominant)	0.00	23.72	0.00	53.92	1.84	16.84	0.00	0.00	39.06	0.00	0.00	2.32	4.31	0.00	0.00	0.00
234(non-dominant)	0.00	24.88	0.00	64.28	1.88	17.32	0.00	0.00	43.03	0.00	0.00	2.58	4.73	0.00	0.00	0.00
235(dominant)	0.00	136.44	0.00	94.40	2.60	31.48	0.00	0.00	158.40	0.00	0.00	1.04	4.62	0.64	0.00	0.00
235(non-dominant)	0.00	181.80	0.00	122.72	3.08	28.00	0.00	0.00	212.89	0.00	0.00	1.53	5.14	0.00	0.00	0.00
236(dominant)	0.00	15.16	0.00	37.32	1.48	9.80	0.00	0.00	16.79	0.00	0.00	0.72	0.98	0.00	0.00	0.00
236(non-dominant)	0.00	26.00	0.00	65.32	2.72	22.12	0.00	0.00	35.40	0.00	0.00	1.23	1.07	0.00	0.00	0.00
237(dominant)	0.00	56.24	0.00	33.52	1.52	0.00	0.00	0.00	98.02	0.00	0.00	2.27	4.58	0.00	1.47	0.00
237(non-dominant)	0.00	43.76	0.00	24.76	1.20	3.88	0.00	0.00	71.92	0.00	0.00	2.27	5.80	0.00	0.81	0.00
238(dominant)	0.00	134.24	0.00	64.88	3.72	36.56	0.00	0.00	179.08	0.00	0.00	1.24	2.48	1.56	0.00	0.00
238(non-dominant)	0.00	125.24	0.00	58.48	2.48	13.08	0.00	0.00	168.28	0.00	0.00	0.86	1.46	2.31	0.00	0.00
239(dominant)	0.00	24.96	0.00	22.56	0.00	0.00	0.00	0.00	15.51	0.00	0.00	0.50	0.82	0.47	0.00	0.00
239(non-dominant)	0.00	23.36	0.00	22.76	0.00	0.00	0.00	0.00	16.34	0.00	0.00	0.58	0.68	0.44	0.00	0.00
240(dominant)	0.00	25.44	0.00	9.16	1.76	7.20	0.00	0.00	2.60	0.00	0.00	0.38	0.40	0.00	0.00	0.00
240(non-dominant)	0.00	9.32	0.00	7.64	0.00	1.32	0.00	0.00	3.34	0.00	0.00	0.39	0.38	0.00	0.00	0.00
241(dominant)	0.00	21.00	0.00	27.72	0.76	5.28	0.00	0.00	9.79	0.00	0.00	0.49	0.84	0.41	0.00	0.00
241(non-dominant)	0.00	17.52	0.00	25.92	0.60	4.08	0.00	0.00	9.64	0.00	0.00	0.49	0.74	0.00	0.00	0.00
242(dominant)	0.00	28.20	0.00	32.76	0.76	5.88	0.00	0.00	13.74	0.00	0.00	0.67	0.86	0.60	0.00	0.00
242(non-dominant)	0.00	20.32	0.00	18.80	0.76	6.72	0.00	0.00	8.17	0.00	0.00	0.49	0.73	0.53	0.00	0.00
243(dominant)	0.00	17.45	0.00	8.47	0.50	1.85	0.00	0.00	24.89	0.00	0.00	1.03	1.60	0.00	0.00	0.00
243(non-dominant)	0.00	24.70	0.00	12.88	0.65	3.69	0.00	0.00	34.93	0.00	0.00	1.53	2.44	0.57	0.00	0.00
244(dominant)	0.00	14.20	0.00	12.32	0.00	1.16	0.00	0.00	6.01	0.00	0.00	0.53	0.60	0.74	0.00	0.00
244(non-dominant)	0.00	16.88	0.00	11.80	0.00	1.28	0.00	0.00	6.81	0.00	0.00	0.53	0.59	0.92	0.00	0.00
245(dominant)	0.00	14.20	0.00	12.40	0.00	1.68	0.00	0.00	6.23	0.00	0.00	0.50	1.85	0.00	0.00	0.00
245(non-dominant)	0.00	19.40	0.00	13.08	1.28	8.64	0.00	0.00	6.14	0.00	0.00	0.42	1.05	0.00	0.00	0.00
246(dominant)	0.00	34.50	0.00	30.44	1.09	8.44	0.00	0.00	65.06	0.00	0.00	1.71	4.08	0.61	0.00	0.00
246(non-dominant)	0.00	36.63	0.00	38.96	1.37	8.94	0.00	0.00	81.17	0.00	0.00	1.87	4.85	0.72	0.00	0.00
247(dominant)	0.00	13.84	0.00	15.96	0.60	1.76	0.00	0.64	22.44	0.00	0.00	0.82	1.57	1.12	0.00	0.00
247(non-dominant)	0.00	15.76	0.00	25.32	0.92	2.12	0.76	0.88	28.44	0.00	0.00	0.91	2.28	0.00	0.00	0.00

Participant	Lithium /hand (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
248(dominant)	0.00	34.44	0.00	29.36	1.52	7.76	0.00	0.60	56.80	0.00	0.00	1.12	2.93	2.41	0.00	0.00
248(non-dominant)	0.00	38.88	0.00	38.12	1.28	6.08	0.00	0.80	59.14	0.00	0.00	1.17	2.24	1.86	0.61	0.00
249(dominant)	0.00	11.40	0.00	9.28	0.40	2.28	0.00	0.00	26.96	0.00	0.00	0.92	1.90	0.00	0.00	0.00
249(non-dominant)	0.00	14.16	0.00	7.60	0.00	2.04	0.00	0.00	25.40	0.00	0.00	0.91	2.06	1.45	0.00	0.00
250(dominant)	0.00	10.21	0.00	4.41	0.53	3.27	0.00	0.00	18.95	0.00	0.00	1.02	1.20	0.00	0.00	0.00
250(non-dominant)	0.00	11.67	0.00	7.92	0.42	2.40	0.00	0.00	25.58	0.00	0.00	0.93	1.61	0.00	0.00	0.00
251(dominant)	0.00	8.48	0.00	10.56	0.00	0.00	0.00	0.00	25.93	0.00	0.00	0.78	2.09	0.00	0.00	0.00
251(non-dominant)	0.00	7.44	0.00	7.56	0.00	1.84	0.00	0.00	19.50	0.00	0.00	0.85	2.51	0.00	0.00	0.00
252(dominant)	0.00	84.00	0.00	54.40	1.40	15.32	0.00	1.32	12.91	0.00	0.00	0.44	1.15	0.00	0.00	0.00
252(non-dominant)	0.00	88.44	0.00	59.64	1.56	18.84	0.00	0.88	12.84	0.00	0.00	0.59	1.54	0.00	0.00	0.00
253(dominant)	0.00	35.28	5.52	56.28	1.40	17.08	0.00	0.00	73.19	0.00	0.00	1.58	7.11	0.00	0.00	0.00
253(non-dominant)	0.00	35.60	7.72	54.36	1.60	15.16	0.00	0.00	81.18	0.00	0.00	1.93	6.53	0.00	0.00	0.00
254(dominant)	0.00	27.96	0.00	25.12	0.68	4.20	0.00	0.00	47.00	0.00	0.00	1.04	2.02	0.00	0.00	0.00
254(non-dominant)	0.00	34.80	0.00	28.40	1.00	7.64	0.00	0.00	56.37	0.00	0.00	1.13	2.11	0.00	0.00	0.00
255(dominant)	0.00	22.60	0.00	34.00	0.88	10.44	0.00	0.00	39.57	0.00	0.00	1.31	2.86	0.00	0.00	0.00
255(non-dominant)	0.00	17.84	0.00	31.72	0.76	8.76	0.00	0.00	42.10	0.00	0.00	1.78	2.99	0.00	0.00	0.00
256(dominant)	0.00	87.16	0.00	60.52	1.40	19.48	0.00	0.00	137.84	0.00	0.00	1.68	4.77	0.00	0.00	0.00
256(non-dominant)	0.00	69.24	0.00	51.36	1.16	12.96	0.00	0.00	89.64	0.00	0.00	1.65	4.19	0.00	0.00	0.00
257(dominant)	0.00	33.04	0.00	32.84	1.24	8.80	0.00	0.00	55.22	0.00	0.00	0.98	2.55	0.00	0.00	0.00
257(non-dominant)	0.00	35.44	0.00	39.64	1.08	5.60	0.00	0.00	56.12	0.00	0.00	1.14	2.67	0.00	0.00	0.00
258(dominant)	0.00	45.92	0.00	58.84	1.04	14.44	0.00	0.00	86.22	0.00	0.00	1.63	3.15	0.00	0.00	0.00
258(non-dominant)	0.00	40.48	0.00	46.12	0.68	15.52	0.00	0.00	99.88	0.00	0.00	1.32	2.24	0.00	0.00	0.00
259(dominant)	0.00	62.22	0.00	57.09	0.73	8.43	0.00	0.00	106.09	0.00	0.00	0.76	1.63	0.00	0.00	0.00
259(non-dominant)	0.00	66.83	0.00	65.59	0.91	9.50	0.00	0.00	114.02	0.00	0.00	2.31	2.23	0.00	0.00	0.00
260(dominant)	0.00	78.06	12.47	118.60	2.45	13.81	0.00	0.00	82.91	0.00	0.00	2.57	3.09	0.00	0.00	0.00
260(non-dominant)	0.00	73.18	10.39	115.50	2.11	12.43	0.00	0.00	77.65	0.00	0.00	2.09	3.36	0.00	0.00	0.00
261(dominant)	0.00	57.72	0.00	149.38	25.97	0.00	0.00	0.00	96.96	0.00	0.00	0.48	1.88	0.00	0.00	0.00
261(non-dominant)	0.00	63.11	0.00	155.15	28.11	0.00	0.00	0.00	104.20	0.00	0.00	0.63	2.26	0.00	0.00	0.00
262(dominant)	0.00	21.99	0.00	55.57	0.60	0.00	0.00	0.00	15.15	0.00	0.00	2.50	0.68	0.00	0.00	0.00
262(non-dominant)	0.00	17.70	0.00	38.20	0.56	3.70	0.00	0.00	16.46	0.00	0.00	1.84	0.64	0.00	0.00	0.00
263(dominant)	0.00	36.56	0.00	76.61	0.00	0.00	0.00	0.00	43.37	0.00	0.00	4.77	1.27	0.00	0.00	0.00
263(non-dominant)	0.00	21.66	0.00	40.07	0.00	0.00	0.00	0.00	26.03	0.00	0.00	2.45	0.86	0.00	0.00	0.00
264(dominant)	0.00	23.37	0.00	22.51	0.75	0.00	0.00	0.00	26.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
264(non-dominant)	0.00	19.71	0.00	19.68	0.76	1.99	0.00	0.00	20.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265(dominant)	0.00	17.27	0.00	35.67	0.00	0.00	0.00	0.00	14.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265(non-dominant)	0.00	12.94	0.00	26.97	0.00	0.00	0.00	0.00	9.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266(dominant)	0.00	14.27	0.00	19.13	11.25	0.00	0.00	0.00	17.13	0.00	0.00	1.40	0.98	0.00	0.00	0.00
266(non-dominant)	0.00	17.01	0.00	19.35	9.97	0.00	0.00	0.00	19.17	0.00	0.00	0.57	1.37	0.00	0.00	0.00
267(dominant)	0.00	65.59	0.00	34.73	0.44	4.05	0.00	0.00	70.73	0.00	0.00	0.50	0.48	0.00	0.00	0.00
267(non-dominant)	0.00	67.75	0.00	34.45	0.41	0.00	0.00	0.00	74.40	0.00	0.00	0.49	0.51	0.00	0.00	0.00
268(dominant)	0.00	16.19	0.00	17.71	0.00	0.00	0.00	0.00	9.48	0.00	0.00	0.79	0.67	0.00	0.00	0.00
268(non-dominant)	0.00	20.44	0.00	18.86	0.00	2.10	0.00	0.00	13.72	0.00	0.00	1.92	0.97	0.00	0.00	0.00
269(dominant)	0.00	21.24	4.29	62.44	0.96	0.00	0.00	0.00	24.21	0.00	0.00	0.00	0.51	0.00	0.00	0.00
269(non-dominant)	0.00	24.96	0.00	76.80	1.16	0.00	0.00	0.00	33.83	0.00	0.00	0.00	0.61	0.00	0.00	0.00
270(dominant)	0.00	46.72	0.00	80.36	1.68	0.00	0.00	0.00	46.54	0.00	0.00	0.00	4.90	0.00	0.00	0.00

Participant	Lithium /hand (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
293(dominant)	0.00	16.02	3.36	51.67	1.21	4.14	0.00	0.00	24.32	0.00	0.00	0.00	0.85	0.00	0.00	0.00
293(non-dominant)	0.00	32.88	13.22	104.36	1.82	8.69	0.00	0.00	62.57	0.00	0.00	0.00	1.89	0.00	0.00	0.00
294(dominant)	0.00	30.92	0.00	62.80	1.04	0.00	0.00	0.00	47.42	0.00	0.00	0.00	0.57	0.00	0.00	0.00
294(non-dominant)	0.00	36.72	0.00	72.60	1.16	0.00	0.00	0.00	56.40	0.00	0.00	0.00	0.95	0.00	0.00	0.00
295(dominant)	0.00	22.48	0.00	57.24	1.60	0.00	0.00	0.00	32.23	0.00	0.00	2.65	2.52	0.00	0.00	0.00
295(non-dominant)	0.00	33.08	0.00	84.48	2.08	27.44	0.00	0.00	51.53	0.00	0.00	2.11	3.51	0.00	0.00	0.00
296(dominant)	0.00	46.60	0.00	112.84	2.04	0.00	0.00	0.00	74.70	0.00	0.00	0.00	4.39	0.00	0.00	0.00
296(non-dominant)	0.00	32.00	0.00	75.00	1.36	0.00	0.00	0.00	49.51	0.00	0.00	0.00	2.65	0.00	0.00	0.00
297(dominant)	0.00	37.84	0.00	64.64	0.68	0.00	0.00	0.00	71.14	0.00	0.00	0.00	0.94	0.00	0.00	0.00
297(non-dominant)	0.00	40.28	0.00	65.52	1.00	0.00	0.00	0.00	73.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00

Supplementary Information H: Effect of monitored activities (n=50)

 = Amount exceeding the natural range found in the main background study

Participant Group	Lithium (µg)	Sodium (µg)	Ammonium (µg)	Potassium (µg)	Magnesium (µg)	Calcium (µg)	Strontium (µg)	Barium (µg)	Chloride (µg)	Nitrite (µg)	Chlorate (µg)	Nitrate (µg)	Sulfate (µg)	Phosphate (µg)	Thiocyanate (µg)	Perchlorate (µg)
44 Lab worker	0.00	37.24	0.00	52.88	1.00	7.76	0.00	0.00	22.25	0.00	0.00	2.49	1.80	0.00	0.00	0.00
46 Lab worker	0.00	65.40	3.57	60.40	0.56	14.28	0.00	0.00	41.16	0.00	0.00	48.81	1.89	0.00	0.00	0.00
48 Lab worker	0.00	255.20	30.26	282.40	4.08	70.64	0.00	0.00	257.76	0.00	0.00	85.21	12.72	3.89	0.00	0.00
50 Lab worker	0.00	161.52	17.81	153.88	2.04	27.80	0.00	0.00	209.76	0.00	0.00	34.61	4.04	0.61	0.00	5.21
52 Lab worker	0.00	64.20	12.47	101.52	1.24	29.80	0.00	0.00	59.62	0.00	0.00	82.60	6.14	1.26	0.00	0.00
115 Car mechanic	0.00	223.80	19.51	185.72	2.80	30.84	0.00	0.00	233.61	0.00	0.00	17.44	14.43	1.71	0.00	0.00
116 Car mechanic	0.00	332.80	0.00	331.60	5.36	56.40	0.00	0.00	551.42	0.00	0.00	28.54	76.48	3.23	1.80	0.00
117 Car mechanic	0.00	139.32	0.00	66.60	1.36	9.88	0.00	0.00	126.65	0.00	0.00	14.94	10.49	1.28	0.00	0.00
118 Car mechanic	0.00	143.72	0.00	154.76	5.84	26.28	0.00	0.00	57.14	0.00	0.00	36.62	54.80	4.65	0.00	0.00
119 Car mechanic	0.00	401.44	0.00	229.52	10.44	70.24	0.00	3.32	325.53	0.00	0.00	56.72	83.94	11.38	0.00	0.00
120 Waste processing worker	0.00	66.04	1.02	70.08	2.24	15.56	0.00	0.00	57.59	0.00	0.00	1.44	3.27	2.42	0.00	0.00
121 Waste processing worker	0.00	341.60	15.68	178.04	3.40	12.76	0.00	0.00	282.96	0.00	0.00	8.18	37.71	7.62	0.00	0.00
122 Waste processing worker	0.00	76.24	9.34	68.92	3.20	17.04	0.00	0.00	62.58	0.00	0.00	1.97	8.22	3.43	0.00	0.00
220 Waste processing worker	0.00	158.00	0.00	64.84	2.04	8.40	0.00	0.00	148.90	0.00	0.00	2.60	13.02	0.68	0.00	0.00
221 Waste processing worker	0.00	603.60	13.60	185.24	3.80	12.08	0.00	0.00	589.76	0.00	0.00	16.21	183.13	0.82	0.00	0.00
222 Farmer	0.00	45.88	0.00	90.72	3.48	23.36	0.00	0.00	92.40	0.00	0.00	14.56	18.48	5.92	0.00	0.00
223 Farmer	0.00	43.24	4.34	76.24	3.12	8.88	0.00	0.00	47.33	0.00	0.00	4.94	5.63	16.56	0.00	0.00
224 Farmer	0.00	28.12	5.68	44.28	3.64	7.12	0.56	1.48	22.00	0.00	0.00	12.68	4.16	6.44	0.00	0.00
225 Gardener	0.00	32.68	10.01	59.72	1.56	8.08	0.00	0.00	67.31	0.00	0.00	1.59	9.91	7.40	0.00	0.00
226 Gardener	0.00	160.28	0.00	223.40	23.24	70.72	0.00	0.00	218.00	0.00	0.00	55.24	178.72	12.52	0.00	0.00
227 Cleaners	0.00	111.04	0.00	78.92	2.16	11.80	0.00	0.00	68.42	0.00	0.00	7.82	2.63	0.00	0.00	0.00
228 Cleaners	0.00	27.44	0.00	30.72	0.00	0.00	0.00	0.00	12.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229 Cleaners	0.00	80.92	0.00	89.12	2.20	12.16	0.00	0.00	75.02	0.00	0.00	1.91	0.69	0.00	0.00	0.00
230 Cleaners	0.00	60.68	9.93	68.80	3.48	24.64	0.00	0.00	50.25	0.00	0.00	30.10	6.26	0.00	0.00	0.00
231 Cleaners	0.00	60.92	20.80	112.16	2.60	17.80	0.00	0.00	43.20	0.00	0.00	13.20	1.56	0.00	0.00	0.00
232 Hobby shooter (regular)	0.00	93.20	5.06	98.20	3.40	19.36	0.00	0.00	113.18	0.00	0.00	6.52	4.88	0.00	0.00	0.00
233 Hobby shooter (regular)	0.00	102.24	5.03	78.88	1.84	10.08	0.00	0.00	56.40	0.00	0.00	3.22	2.35	0.00	0.00	0.00
234 Hobby shooter (regular)	0.00	61.08	0.00	140.28	2.80	15.40	0.00	0.00	84.30	0.00	0.00	3.83	5.99	0.00	0.00	0.00
235 Hobby shooter (regular)	0.00	129.64	7.64	94.04	1.84	11.76	0.00	1.84	193.79	0.00	0.00	3.99	2.63	0.62	2.75	0.00
236 Hobby shooter (regular)	0.00	44.04	0.00	102.16	2.16	7.00	0.00	1.28	52.20	0.00	0.00	1.95	2.05	0.00	2.98	0.00
239 Hobby shooter (regular)	0.00	108.48	0.00	171.96	2.56	31.60	0.00	2.16	138.65	0.00	0.00	6.06	6.81	0.41	1.47	0.00
240 Hobby shooter (regular)	0.00	26.68	0.00	36.12	1.28	8.08	0.00	0.00	13.26	0.00	0.00	1.33	1.38	0.00	0.00	0.00
241 Hobby shooter (regular)	0.00	80.36	0.00	145.72	2.80	17.68	0.00	0.00	68.75	0.00	0.00	2.74	5.82	1.26	0.00	0.00
242 Hobby shooter (regular)	0.00	201.64	21.32	340.40	4.36	32.92	0.00	0.88	218.80	0.00	0.00	8.78	4.49	1.66	0.00	0.00
243 Hobby shooter (other task)	0.00	56.24	0.00	63.04	1.87	14.23	0.00	0.00	119.04	0.00	0.00	4.72	21.38	0.67	0.00	0.00
244 Hobby shooter (regular)	0.00	71.68	0.00	36.36	1.84	8.04	0.00	0.00	85.84	0.00	0.00	4.36	5.40	2.22	0.00	0.00
245 Hobby shooter (regular)	0.00	123.64	0.00	161.32	2.40	12.68	0.00	0.00	153.14	0.00	0.00	3.36	11.91	0.55	0.00	0.00
246 Hobby shooter (air pellet)	0.00	49.26	0.00	43.31	2.03	14.24	0.00	0.00	97.74	0.00	0.00	3.05	7.12	0.00	0.00	0.00
247 Hobby shooter (air pellet)	0.00	35.32	0.00	52.36	1.76	9.48	0.00	0.00	57.99	0.00	0.00	2.95	2.07	0.00	0.00	0.00
248 Hobby shooter (air pellet)	0.00	88.76	0.00	81.80	2.80	20.56	0.00	1.04	143.74	0.00	0.00	3.83	6.16	0.00	0.65	0.00
249 Hobby shooter (muzzleloader)	0.00	20.56	0.00	33.92	0.68	6.16	0.00	0.00	40.93	0.00	0.00	2.12	19.61	0.00	0.00	0.00
250 Hobby shooter (air pellet)	0.00	24.68	0.00	16.97	0.83	4.64	0.00	0.00	54.44	0.00	0.00	2.30	3.25	0.00	0.00	0.00
251 Hobby shooter (air pellet)	0.00	23.56	0.00	28.24	0.80	4.00	0.00	0.00	58.89	0.00	0.00	2.01	3.59	0.00	0.00	0.00
252 Hobby shooter (other task)	0.00	423.20	0.00	183.56	4.04	51.56	0.00	3.88	341.84	0.00	0.00	10.28	19.84	0.00	0.00	0.00
253 Hobby shooter (other task)	0.00	78.32	23.04	165.80	3.40	44.80	0.00	3.00	209.41	0.00	0.00	4.43	14.09	0.00	0.00	0.00
254 Hobby shooter (muzzleloader)	0.00	143.88	0.00	294.00	0.00	3.16	0.00	0.00	133.32	0.00	0.00	140.00	141.60	0.00	0.00	1.32
255 Hobby shooter (other task)	0.00	60.04	0.00	120.96	2.60	38.16	0.00	1.40	136.07	0.00	0.00	3.60	13.43	2.14	0.00	0.00
256 Hobby shooter (other task)	0.00	208.24	21.04	175.76	3.36	40.16	0.00	1.68	380.47	0.00	0.00	4.77	13.12	0.00	0.00	0.00
257 Hobby shooter (muzzleloader)	0.00	60.96	0.00	98.32	1.60	9.16	0.00	0.00	102.80	0.00	0.00	6.16	21.56	0.00	0.00	0.00
258 Hobby shooter (air pellet)	0.00	78.76	0.00	101.12	1.84	22.80	0.00	0.00	169.13	0.00	0.00	2.30	3.84	0.00	0.00	0.00