COMUNE DI ARAGONA
Provincia di Agrigento

PROGETTO PER L'ADEGUAMENTO ALLA NORMATIVA SISMICA ED EFFICIENTAMENTO ENERGETICO DELLA SCUOLA "FONTES EPISCOPI"

PROGETTAZIONE ESECUTIVA

(Art. 23 comma 8 Dlg 50 ss.mm.ii.)

4. CALCOLI DELLE STRUTTURE E DEGLI IMPIANTI

4.2.2 EDIFICIO SCOLASTICO - CORPO STRUTTURALE A

VERIFICA GEOTECNICA FONDAZIONI

ELABORATO

4.2.2.2

Il Progettista

Il RUP

Aragona, lì
18-01-2018

RELAZIONE GEOTECNICA

Edificio Scolastico - Corpo Strutturale A

Normativa di riferimento

- Legge nr. 1086 del 05/11/1971.
Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica.
- Legge nr. 64 del 02/02/1974.
Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.
- D.M. LL.PP. del 11/03/1988.
Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione.
- D.M. LL.PP. del 14/02/1992.
Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche.
- D.M. 9 Gennaio 1996
Norme Tecniche per il calcolo, l' esecuzione ed il collaudo delle strutture in cemento armato normale e precompresso e per le strutture metalliche
- D.M. 16 Gennaio 1996
Norme Tecniche relative ai 'Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi'
- D.M. 16 Gennaio 1996
Norme Tecniche per le costruzioni in zone sismiche
- Circolare Ministero LL.PP. 15 Ottobre 1996 N. 252 AA.GG./S.T.C.
Istruzioni per l'applicazione delle Norme Tecniche di cui al D.M. 9 Gennaio 1996
- Circolare Ministero LL.PP. 10 Aprile 1997 N. 65/AA.GG.
Istruzioni per l'applicazione delle Norme Tecniche per le costruzioni in zone sismiche di cui al D.M. 16 Gennaio 1996.
- Norme Tecniche per le costruzioni D.M.14/01/2008.
Istruzioni per l'applicazione delle Norme Tecniche per le costruzioni in zone sismiche di cui al D.M. 14 Gennaio 2008

Modello per il calcolo del carico limite

Il terreno di fondazione è considerato costituito da due strati uno superiore ed uno inferiore al piano di posa della fondazione. La presenza della falda è presa in considerazione in base alla sua profondità dal piano campagna. Per la verifica a carico limite si adotta l'approccio 2 con una unica combinazione di carico A1+M1+R3, in cui i coefficienti parziali di sicurezza per le resistenze sono unitari ed il coefficiente di sicurezza globale è 2.3 per il carico limite verticale e 1.1 per il coefficiente di sicurezza a carico orizzontale. L'effetto del sisma è portato in conto considerando che la forza applicata a causa del sisma non è nè centrata nè verticale cio' comporta l'applicazione di fattori correttivi perl'inclinazione e una riduzione delle dimensioni della fondazione in funzione dell'eccentricità. Di seguito si riporta il calcolo per le combinazioni più gravose; in calce è riportato un riepilogo per tutte le combinazioni.

Carico limite

Il calcolo del carico limite è valutato secondo la formula di Terzaghi-Meyerof

$$Q_{lim} = q \cdot Nq \cdot \zeta q \cdot \xi q \cdot \alpha q \cdot \beta q \cdot \psi q + c \cdot Nc \cdot \zeta c \cdot \xi c \cdot \alpha c \cdot \beta c \cdot \psi c + \gamma \cdot N\gamma \cdot \frac{B}{2} \cdot \zeta\gamma \cdot \xi\gamma \cdot \alpha\gamma \cdot \beta\gamma \cdot \psi\gamma$$

dove :

N_q, N_c, N_γ=Coefficienti di Terzaghi - Meyerof per la striscia indefinita
ζ_a, ζ_c, ζ_γ = coefficienti correttivi di forma funzione del rapporto B/L
ξ_q, ξ_c, ξ_γ = coefficienti correttivi di inclinazione del carico dipendente da H/V
α_q, α_c, α_γ= coefficienti correttivi di inclinazione del piano di posa
β_q, β_c, β_γ= coefficienti correttivi di inclinazione del piano campagna
zq,zc,zg= coefficienti sismimici per considerare l'effetto cinematico, considerati solo in presenza di sisma
ψ_q, ψ_c, ψ_γ = coefficienti correttivi di punzonamento dipendenti da un indice di rigidezza del terreno, in particolare detto Ir l'indice di rigidezza del terreno (secondo la teoria di Vesic dipendente dal modulo tangenziale G=0.5 E/(1+ν) del terreno, dalla coesione c, dalla tensione effettiva alla profondità B/2 sotto il piano di posa, dall'angolo di attrito del terreno di fondazione) ed Ircrit l'indice di rigidezza critico (dipendente dall' angolo di attrito del terreno e dal rapporto B/L) risulta che i coefficienti di punzonamento sono uguali alla unità quando Ir>=Ircrit, mentre sono minori dell' unità quando Ir<Ircrit.
Oltre a queste correzioni un' altra deriva dalla eccentricità del carico riducendo le dimensioni della fondazione in modo che il carico risulti centrato rispetto alla fondazione ridotta, dette 'e_b' ed 'e_l' le eccentrità del carico nella direzione di B ed L il carico limite si calcola per una fondazione di dimensioni ridotte B' =B-2e_b e L' =L-2e_l
Altra correzione deriva dalla presenza della falda inserendo i pesi del terreno immerso nel primo e terzo termine, in particolare, detta Hf la profondità della falda e D la profondità del piano di posa,si ha:
per Hf<D si valuta la pressione effettiva sul piano di posa considerando che parte del terreno superiore è immerso, mentre nel terzo termine si userà il peso immerso
per Hf>D ed Hf<D+B il peso del terreno del terzo termine si interpola ta i valori immerso e secco secondo la formula:
$\gamma=\gamma'+(\gamma-\gamma')*D/B$
per Hf>D+B la falda è trascurata.

I coefficienti di Terzaghi - Meyerof per la striscia ed i coefficienti correttivi sono dati dalle relazioni:

$$N_q = \frac{1+\sin(\varphi)}{1-\sin(\varphi)} e^{\pi \tan(\phi)}$$

$$N_c = (N_q - 1)\cot(\phi)$$

Il coefficiente N_γ non è suscettibile di una espressione in forma analitica chiusa, ed è stato calcolato per via numerica da diversi Autori. I valori del coefficiente sono riportati nella seguente tabella in funzione dell'angolo ϕ:

$\phi°$	0	1	2	3	4	5	6	7	8
N_γ	0	0.07	0.15	0.24	0.34	0.45	0.57	0.71	0.86
$\phi°$	9	10	11	12	13	14	15	16	17
N_γ	1.03	1.22	1.44	1.69	1.97	2.29	2.65	3.06	3.53
$\phi°$	18	19	20	21	22	23	24	25	26
N_γ	4.07	4.68	5.39	6.2	7.13	8.2	9.44	10.88	12.54
$\phi°$	27	28	29	30	31	32	33	34	35
N_γ	14.47	16.72	19.34	22.4	25.99	30.22	35.19	41.06	48.03

$\phi°$	36	37	38	39	40	41	42	43	44
N_γ	56.31	66.19	78.03	92.25	109.41	130.22	155.55	186.54	224.64
$\phi°$	45	46	47	48	49	50			
N_γ	271.76	330.75	403.67	496.01	613.16	762.89			

$$\zeta_q = 1 + \frac{B}{L}\tan(\varphi)$$

$$\zeta_c = 1 + \frac{B}{L}\frac{N_q}{N_c}$$

$$\zeta_\gamma = 1 - 0.4\frac{B}{L}$$

$$m = \frac{2 + \frac{B}{L}}{1 + \frac{B}{L}}$$

$$\xi_q = \left[1 - \frac{H\tan(\phi)}{V\tan(\varphi) + BLc}\right]^m$$

$$\xi_c = \xi_q - \frac{1 - \xi_q}{N_c \cdot \tan(\varphi)}$$

$$\xi_\gamma = \left[1 - \frac{H\tan(\phi)}{V\tan(\varphi) + BLc}\right]^{m+1}$$

$$\psi_q = \exp\left(\left(0.6\frac{B}{L} - 4.4\right)\tan(\phi) + \frac{3.07\sin(\varphi)\log_{10}(2I_\gamma)}{1 + \sin(\varphi)}\right)$$

$$\psi_c = \psi_q - \frac{1 - \psi_q}{N_q\tan(\varphi)} \text{ se } \varphi \neq 0; \quad \psi_c = 0.32 + 0.12\frac{B}{L} + 0.6\log_{10}(I_\gamma) \text{ se } \varphi = 0$$

$$\psi_\gamma = \psi_q$$

$$\alpha_q = \alpha_\gamma = (1 - \varepsilon\tan(\varphi))^2$$

$$\alpha_c = \alpha_q - \frac{1 - \alpha_q}{N_c\tan(\phi)}$$

$$\beta_q = (1 - \tan(\omega))^2\cos(\omega)$$

$$\beta_c = \beta_\lambda - \frac{q - \beta_\lambda}{N_c\tan(\phi)}$$

$$\beta_c = \beta_\lambda - \frac{q - \beta_\lambda}{N_c\tan(\phi)}$$

$$\varepsilon < \pi/4; \quad \omega < \pi/4; \quad \omega < \varphi$$

$$zq = zc = 1$$

$$zg = (1 - kh/\tan(\phi))^{0.45}$$

$$kh = \beta\frac{a_{max}}{g} \cdot (vedi \cdot NT - 7.11.3)$$

Per la fondazione composta si adotta una fondazione rettangolare equivalente ottenuta mediando le basi dei tratti pesati rispetto alla loro lunghezza; il numero di tratti che si prendono in considerazione sono quelli che si ottengono

considerando la parte di fondazione sulla quale le tensioni del terreno non sono nulle considerando le sole condizioni di equilibrio (metodo del trapezio). La fondazione equivalente e poi ridotta in base alle eccentricità della risultante dei carichi verticali.

Simbologia carico limite fondazione composta:

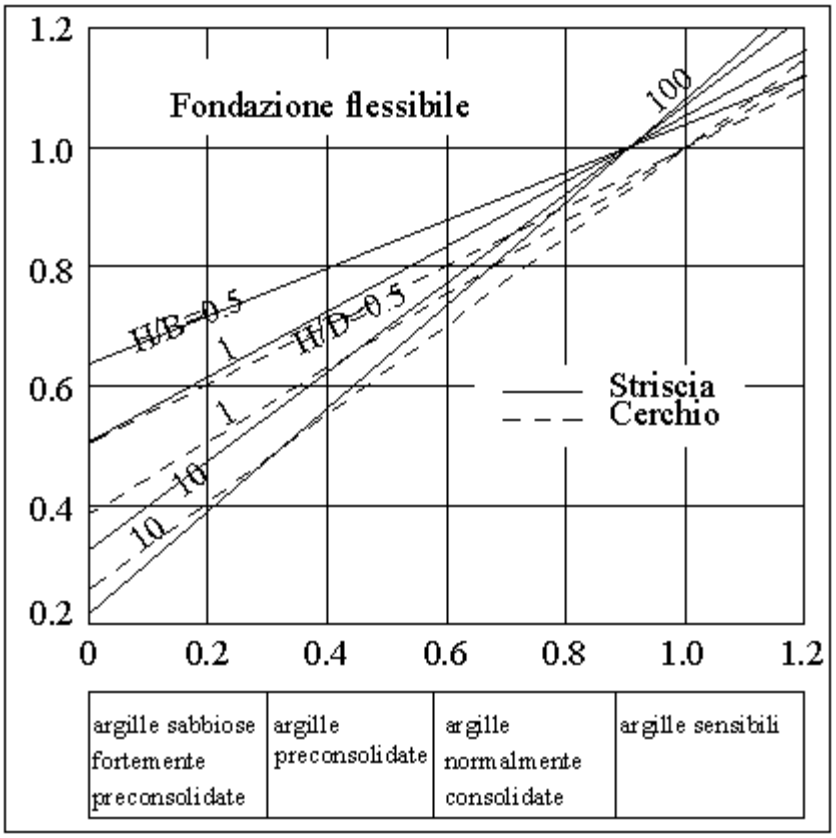
B	Base del tratto
L	Lunghezza del tratto
Xq	Distanza inizio carico distribuito dall'estremo sinistro del tratto
Lq	Lunghezza del carico distribuito
Eq	Eccentricità del carico distribuito rispetto all'asse del tratto
Qv_1	Primo valore del carico distribuito normale
Qv_2	Secondo valore del carico distribuito normale
Qh_1	Primo valore del carico distribuito tangenziale
Qh_2	Secondo valore del carico distribuito tangenziale
XF	Distanza forza dall'estremo sinistro della fondazione. Nota: la posizione è comprensiva di eventuali momenti di trasporto, quindi sono possibili valori negativi e valori superiori alla lunghezza della fondazione
EF	Eccentricità forza dall'asse del tratto
Fv	Componente normale della forza
Fh	Componente tangenziale della forza
D	Profondità del piano di posa
ε	Inclinazione del piano di posa
ω	Inclinazione del piano campagna
ϕ	Angolo di attrito del terreno di fondazione
c	Coesione del terreno di fondazione
G	Modulo tangenziale del terreno di fondazione
γ_1	Peso specifico terreno superiore
γ	Peso specifico terreno di fondazione
γ_{1Sat}	Peso specifico terreno saturo superiore
γ_{Sat}	Peso specifico terreno saturo di fondazione
Hf	Profondità della falda
W0	Peso specifico acqua

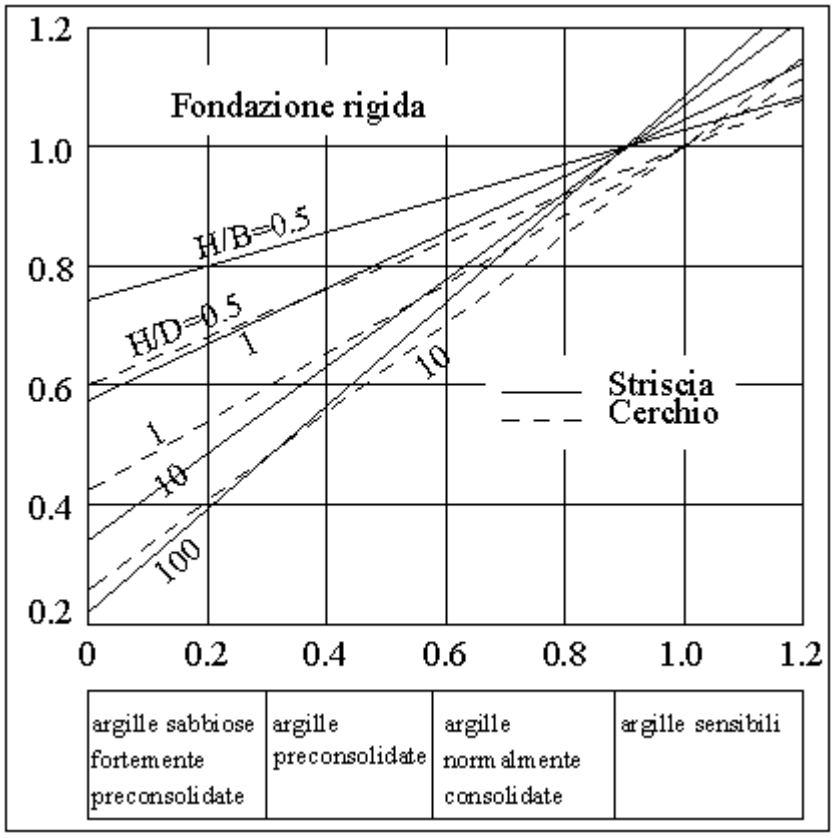
Modello terreno coesivo per il calcolo dei cedimenti:

Il terreno è modellato come sequenza di strati di tipo coesivo la cui deformabilità è individuata attraverso il modulo edometrico ovvero in base alla curva edometrica dedotti da prove in sito. Il cedimento è calcolato in base alla teoria di Skempton e Bjerrum. Il cedimento complessivo si compone di un cedimento di consolidazione **Wc** e di un cedimento immediato **W0**.Il cedimento di consolidazione è valutato in funzione del cedimento edometrico secondo la relazione **Wc=βWed** dove β è fornito dai seguenti diagrammi espressi in funzione del coefficiente A di Skempton, del rapporto H/B per la striscia ovvero di H/D per il quadrato o cerchio, per valori intermedi di interpola linearmente.
La precedente relazione è applicabile ad uno strato omogeneo di spessore H; nei casi reali di terreno stratificato la precedente non è applicabile, ma assumendo valida l'ipotesi di Steinbrenner possiamo porre il cedimento nella forma:

$$Wc = \sum_{i=1}^{n} \beta(A_i, z_i + \Delta_i, B, L) Wed(z_i + \Delta_i) - \beta(A_i, z_i, B, L) Wed(z_i)$$

dove:
Ai coefficiente di Skempton dello strato i^{mo}
zi quota superiore dello strato in considerazione
Δi spessore dello strato
Wed(zi) cedimento di uno strato ideale di spessore zi e modulo edometrico Eed_{i-1}
Wed(zi) cedimento di uno strato ideale di spessore zi+Δi e modulo edometrico Eed_i
β è letto dai diagrammi assumendo come spessore dello strato zi ovvero zi+Δi


Fondazione flessibile
1.2
1.0
0.8
0.6
0.4
0.2
0
0.2
0.4
0.6
0.8
1.0
1.2
H/B=0.5
1
H/D=0.5
1
10
10
100
Striscia
Cerchio
argille sabbiose fortemente preconsolidate
argille preconsolidate
argille normalmente consolidate
argille sensibili


Fondazione rigida
1.2
1.0
0.8
0.6
0.4
0.2
0
0.2
0.4
0.6
0.8
1.0
1.2
H/B=0.5
H/D=0.5
1
10
1
10
100
Striscia
Cerchio
argille sabbiose fortemente preconsolidate
argille preconsolidate
argille normalmente consolidate
argille sensibili

Travata 9010-3
La fondazione è composta da elementi rettangolari:
Falda assente
Geometria fondazione e carichi applicati

Tratto	B[m]	L[m]
1	1.20	5.40

Carico	Xq [m]	Lq [m]	Eq [m]	Qv_1 [kg/m]	Qv_2 [kg/m]	Qh_1 [kg/m]	Qh_2 [kg/m]
1	0.00	5.40	0.00	2340.00	2340.00	-0.00	0.00

Forza	XF [m]	EF [m]	Fv [kg]	Fh [kg]
1	1.28	0.00	50206	4185
2	4.03	0.00	39038	1937

D	1.00	[m]
ε	0.00	[°]
ω	0.00	[°]
ϕ	20.00	[°]
c	0.20	[kg/cmq]
G	500.00	[kg/cmq]
γ_1	1.70	[t/mc]
γ	1.90	[t/mc]

Carico limite
La fondazione data è equivalente ad una fondazione rettangolare di dimensioni B=1.20 [m] ed L=5.01 [m]

N_q	N_c	N_γ
6.399	14.835	5.390
α_q	α_c	α_γ
1.000	1.000	1.000
β_q	β_c	β_γ
1.000	1.000	1.000
ξ_q	ξ_c	ξ_γ
0.920	0.905	0.878
ψ_q	ψ_c	ψ_γ
1.000	1.000	1.000
ζ_q	ζ_c	ζ_γ
1.087	1.103	0.904
zq	zc	zg
1.000	1.000	1.000
N'_q	N'_c	N'_γ
6.397	14.806	4.278

Indice di rigidezza critico Ir_{crit} = 47.747
Indice di rigidezza Ir = 1648.166
V = 101880 [kg]
H = 6122 [kg]
eb = 0.00 [m]
el = 0.19 [m]
Qlim=6.397*0.17[kg/cmq]+14.806*0.20[kg/cmq]+4.278*1.90[t/mc]*1.20[m]/2=4.54[kg/cmq]
Qd = 1.97 [kg/cmq]
η_{vd}=2.300

Hlim = 49114 [kg]
Hd = 44649 [kg]
η_{hd}=1.100
V=101880 [kg] <= Vd=118661 [kg] **VERIFICATO**
H=6122 [kg] <= Hd=44649 [kg] **VERIFICATO**

Tensioni indotte sul terreno:
Le tensioni sono riferite ai vertici dei tratti della fondazione posti in un riferimento XY con X coincidente con l'asse dei tratti ed origine nel primo tratto. I tratti sono considerati consecutivamente uno dopo l'altro in direzione X

X[m]	Y[m]	σ[kg/cmq]
0.00	0.60	1.91
5.40	0.60	1.23
0.00	-0.60	1.91
5.40	-0.60	1.23

Travata 9011-(7+8)-II-3

La fondazione è composta da elementi rettangolari:
Falda assente
Geometria fondazione e carichi applicati

Tratto	B[m]	L[m]
1	1.20	5.40
2	1.20	2.30
3	1.20	4.60
4	1.20	7.60

Carico	Xq [m]	Lq [m]	Eq [m]	Qv_1 [kg/m]	Qv_2 [kg/m]	Qh_1 [kg/m]	Qh_2 [kg/m]
1	0.00	5.40	0.00	1800.00	1800.00	-0.00	0.00
2	0.00	2.30	0.00	1800.00	1800.00	-0.00	0.00
3	0.00	4.60	0.00	1800.00	1800.00	-0.00	0.00
4	0.00	7.60	0.00	1800.00	1800.00	-0.00	0.00

Forza	XF [m]	EF [m]	Fv [kg]	Fh [kg]
1	1.34	0.00	11606	2163
2	4.81	0.00	22498	4555
3	8.34	0.00	28474	13195
4	13.22	0.00	68157	16590
5	17.85	0.00	48876	-443

D	1.00	[m]
ε	0.00	[°]
ω	0.00	[°]
ϕ	20.00	[°]
c	0.20	[kg/cmq]
G	500.00	[kg/cmq]
γ_1	1.70	[t/mc]
γ	1.90	[t/mc]

Carico limite

La fondazione data è equivalente ad una fondazione rettangolare di dimensioni B=1.20 [m] ed L=16.67 [m]

N_q	N_c	N_γ
6.399	14.835	5.390
α_q	α_c	α_γ
1.000	1.000	1.000
β_q	β_c	β_γ
1.000	1.000	1.000
ξ_q	ξ_c	ξ_γ
0.797	0.759	0.709
ψ_q	ψ_c	ψ_γ
1.000	1.000	1.000
ζ_q	ζ_c	ζ_γ
1.026	1.031	0.971
zq	zc	zg
1.000	1.000	0.969
N'_q	N'_c	N'_γ
5.233	11.613	3.596

Coefficiente sismico Kh (effetto cinematico) = 0.024

Indice di rigidezza critico Ir_{crit} = 53.169
Indice di rigidezza Ir = 1648.166
V = 215431 [kg]
H = 36061 [kg]
eb = 0.00 [m]
el = 1.61 [m]
Qlim=5.233*0.17[kg/cmq]+11.613*0.20[kg/cmq]+3.596*1.90[t/mc]*1.20[m]/2=3.62[kg/cmq]
Qd = 1.57 [kg/cmq]
η_{vd}=2.300
Hlim = 118421 [kg]
Hd = 107655 [kg]
η_{hd}=1.100
V=215431 [kg] <= Vd=315051 [kg] **VERIFICATO**
H=36061 [kg] <= Hd=107655 [kg] **VERIFICATO**

Tensioni indotte sul terreno:
Le tensioni sono riferite ai vertici dei tratti della fondazione posti in un riferimento XY con X coincidente con l'asse dei tratti ed origine nel primo tratto. I tratti sono considerati consecutivamente uno dopo l'altro in direzione X

X[m]	Y[m]	σ[kg/cmq]
0.00	0.60	0.46
5.40	0.60	0.70
7.70	0.60	0.80
12.30	0.60	1.01
19.90	0.60	1.34
0.00	-0.60	0.46
5.40	-0.60	0.70
7.70	-0.60	0.80
12.30	-0.60	1.01
19.90	-0.60	1.34

Riepilogo risultati del calcolo

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
9001	2	413545	605010	3.36	14734	193522	14.45	1.94
	3	375715	619240	3.79	14880	182609	13.50	1.93
	4	386930	584104	3.47	15334	183063	13.13	1.93
	(5+6)-I-1	273858	571701	4.80	9869	144017	16.05	1.95
	(5+6)-I-2	309444	570252	4.24	13593	156443	12.66	1.92
	(5+6)-I-3	263438	462436	4.04	33168	136865	4.54	1.69
	(5+6)-I-4	299023	474944	3.65	34891	149612	4.72	1.70
	(5+6)-II-1	228695	627664	6.31	6969	133626	21.09	1.97
	(5+6)-II-2	347312	655102	4.34	910	173256	>100	2.04
	(5+6)-II-3	225569	547016	5.58	17939	128713	7.89	1.84
	(5+6)-II-4	344186	576919	3.86	17329	169270	10.74	1.89
	(5+6)-III-1	274458	562249	4.71	11333	143753	13.95	1.93
	(5+6)-III-2	308844	579347	4.31	11957	156657	14.41	1.93
	(5+6)-III-3	264037	471432	4.11	31835	137575	4.75	1.71
	(5+6)-III-4	298423	466391	3.59	36400	148962	4.50	1.69
	(5+6)-IV-1	230693	621999	6.20	2929	132413	49.72	2.02
	(5+6)-IV-2	345314	627123	4.18	6882	171613	27.43	1.99
	(5+6)-IV-3	227567	581328	5.88	14035	131317	10.29	1.89
	(5+6)-IV-4	342188	547632	3.68	23178	167324	7.94	1.84
	(5+6)-V-1	268387	577808	4.95	6417	141797	24.31	1.98
	(5+6)-V-2	303972	577455	4.37	9697	154283	17.50	1.95
	(5+6)-V-3	268910	469775	4.02	30569	138548	4.99	1.72
	(5+6)-V-4	304495	482876	3.65	31839	151293	5.23	1.74
	(5+6)-VI-1	227054	623448	6.32	7756	132971	18.86	1.96
	(5+6)-VI-2	345671	650713	4.33	2144	172641	88.56	2.03
	(5+6)-VI-3	227211	548905	5.56	17230	129180	8.25	1.85
	(5+6)-VI-4	345827	579617	3.85	16169	169756	11.55	1.90
	(5+6)-VII-1	268986	568223	4.86	7846	141525	19.84	1.97
	(5+6)-VII-2	303372	586672	4.45	8094	154504	21.00	1.97
	(5+6)-VII-3	269509	478786	4.09	29202	139249	5.25	1.74
	(5+6)-VII-4	303895	474290	3.59	33382	150651	4.96	1.72
	(5+6)-VIII-1	229052	617600	6.20	3751	131745	38.64	2.01
	(5+6)-VIII-2	343673	624360	4.18	8083	171136	23.29	1.98
	(5+6)-VIII-3	229209	583201	5.85	13291	131770	10.91	1.90
	(5+6)-VIII-4	343829	550282	3.68	22051	167817	8.37	1.85
	(7+8)-I-1	255680	565160	5.08	10031	137567	15.09	1.94
	(7+8)-I-2	291265	564084	4.45	13920	150087	11.86	1.91
	(7+8)-I-3	245260	451154	4.23	33625	130278	4.26	1.67
	(7+8)-I-4	280845	464662	3.81	35659	143160	4.42	1.68
	(7+8)-II-1	210517	624901	6.83	6990	127475	20.06	1.97
	(7+8)-II-2	329134	654195	4.57	938	167175	>100	2.04
	(7+8)-II-3	207391	540821	6.00	17974	122406	7.49	1.83
	(7+8)-II-4	326008	572547	4.04	17844	163142	10.06	1.88
	(7+8)-III-1	256280	555133	4.98	11521	137271	13.11	1.92
	(7+8)-III-2	290666	573713	4.54	12243	150326	13.51	1.93
	(7+8)-III-3	245859	460685	4.31	32278	131028	4.47	1.69
	(7+8)-III-4	280245	455634	3.74	37198	142481	4.21	1.67
	(7+8)-IV-1	212515	618207	6.69	2940	126104	47.18	2.01
	(7+8)-IV-2	327136	625767	4.40	7089	165595	25.70	1.98
	(7+8)-IV-3	209389	577528	6.34	14071	125181	9.79	1.88
	(7+8)-IV-4	324010	541559	3.84	23862	161123	7.43	1.83
	(7+8)-V-1	250209	571431	5.25	6513	135308	22.85	1.98
	(7+8)-V-2	285794	571643	4.60	9919	147898	16.40	1.95
	(7+8)-V-3	250731	458858	4.21	31036	131965	4.68	1.70
	(7+8)-V-4	286317	473036	3.80	32576	144842	4.89	1.72
	(7+8)-VI-1	208876	620437	6.83	7775	126809	17.94	1.96
	(7+8)-VI-2	327493	649521	4.56	2209	166556	82.95	2.03
	(7+8)-VI-3	209033	542762	5.97	17275	122868	7.82	1.84

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-VI-4	327649	575422	4.04	16655	163626	10.81	1.89
	(7+8)-VII-1	250808	561256	5.15	7965	135002	18.64	1.96
	(7+8)-VII-2	285194	581408	4.69	8278	148145	19.68	1.97
	(7+8)-VII-3	251331	468404	4.29	29652	132703	4.92	1.72
	(7+8)-VII-4	285717	463970	3.73	34152	144171	4.64	1.70
	(7+8)-VIII-1	210874	613527	6.69	3763	125423	36.67	2.00
	(7+8)-VIII-2	325495	622817	4.40	8324	165122	21.82	1.97
	(7+8)-VIII-3	211031	579443	6.32	13334	125627	10.36	1.89
	(7+8)-VIII-4	325651	544379	3.84	22709	161614	7.83	1.84
9002	2	375982	678291	4.15	13395	187821	15.42	1.94
	3	318367	680639	4.92	12609	169144	14.76	1.94
	4	345559	657256	4.37	13694	176079	14.14	1.94
	(5+6)-I-1	247199	682946	6.35	8908	145388	17.95	1.95
	(5+6)-I-2	245195	671343	6.30	10771	144301	14.74	1.93
	(5+6)-I-3	256601	591117	5.30	32307	147464	5.02	1.72
	(5+6)-I-4	254597	595236	5.38	29707	146384	5.42	1.74
	(5+6)-II-1	252828	688976	6.27	7704	147363	21.04	1.97
	(5+6)-II-2	246148	699426	6.54	645	143747	>100	2.04
	(5+6)-II-3	255649	640670	5.76	20331	147983	8.01	1.84
	(5+6)-II-4	248968	652707	6.03	12535	144375	12.67	1.91
	(5+6)-III-1	246699	679344	6.33	10187	145330	15.69	1.94
	(5+6)-III-2	245695	674868	6.32	9512	144360	16.69	1.95
	(5+6)-III-3	256101	596842	5.36	30878	147400	5.25	1.73
	(5+6)-III-4	255097	589573	5.32	31116	146449	5.18	1.73
	(5+6)-IV-1	251162	709426	6.50	3189	147163	50.76	2.01
	(5+6)-IV-2	247814	679747	6.31	4939	143952	32.06	1.99
	(5+6)-IV-3	253982	660613	5.98	15664	147777	10.38	1.88
	(5+6)-IV-4	250635	633499	5.81	16976	144586	9.37	1.87
	(5+6)-V-1	247140	696210	6.48	5909	145565	27.10	1.98
	(5+6)-V-2	245135	684382	6.42	7820	144480	20.32	1.96
	(5+6)-V-3	256661	599802	5.37	29177	147294	5.55	1.75
	(5+6)-V-4	254657	603795	5.45	26628	146213	6.04	1.77
	(5+6)-VI-1	252810	686195	6.24	8635	147415	18.78	1.96
	(5+6)-VI-2	246130	696790	6.51	1527	143801	>100	2.03
	(5+6)-VI-3	255666	643392	5.79	19388	147932	8.39	1.85
	(5+6)-VI-4	248986	655292	6.05	11642	144323	13.64	1.92
	(5+6)-VII-1	246640	692562	6.46	7195	145507	22.25	1.97
	(5+6)-VII-2	245635	687952	6.44	6553	144538	24.26	1.98
	(5+6)-VII-3	256161	605550	5.44	27756	147230	5.83	1.76
	(5+6)-VII-4	255157	598110	5.39	28028	146279	5.74	1.76
	(5+6)-VIII-1	251144	706624	6.47	4113	147215	39.38	2.00
	(5+6)-VIII-2	247796	677128	6.28	5828	144005	27.18	1.99
	(5+6)-VIII-3	254000	663356	6.01	14729	147725	11.03	1.89
	(5+6)-VIII-4	250652	636065	5.84	16076	144534	9.89	1.88
	(7+8)-I-1	222993	679442	7.01	8749	137175	17.25	1.95
	(7+8)-I-2	220989	667117	6.94	10561	136039	14.17	1.93
	(7+8)-I-3	232395	583414	5.77	31861	139151	4.80	1.70
	(7+8)-I-4	230391	587501	5.87	29253	138025	5.19	1.73
	(7+8)-II-1	228622	685757	6.90	7592	139166	20.17	1.96
	(7+8)-II-2	221942	695492	7.21	632	135392	>100	2.04
	(7+8)-II-3	231443	635326	6.31	20059	139756	7.66	1.83
	(7+8)-II-4	224762	646941	6.62	12303	135991	12.16	1.91
	(7+8)-III-1	222493	675795	6.99	10002	137128	15.08	1.93
	(7+8)-III-2	221489	670679	6.96	9329	136087	16.05	1.94
	(7+8)-III-3	231895	589427	5.85	30445	139096	5.03	1.72
	(7+8)-III-4	230891	581560	5.79	30647	138080	4.96	1.71
	(7+8)-IV-1	226956	707270	7.17	3140	139002	48.69	2.01
	(7+8)-IV-2	223608	674870	6.94	4845	135562	30.78	1.99
	(7+8)-IV-3	229776	656305	6.57	15441	139585	9.94	1.88
	(7+8)-IV-4	226429	626812	6.37	16676	136168	8.98	1.86

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-V-1	222934	693346	7.15	5803	137373	26.04	1.98
	(7+8)-V-2	220929	680770	7.09	7668	136239	19.54	1.96
	(7+8)-V-3	232455	592289	5.86	28774	138962	5.31	1.74
	(7+8)-V-4	230451	596226	5.95	26220	137834	5.78	1.76
	(7+8)-VI-1	228604	682907	6.87	8509	139224	18.00	1.95
	(7+8)-VI-2	221924	692812	7.18	1497	135452	99.55	2.03
	(7+8)-VI-3	231460	638114	6.34	19128	139699	8.03	1.84
	(7+8)-VI-4	224780	649570	6.65	11426	135932	13.09	1.92
	(7+8)-VII-1	222434	689649	7.13	7064	137326	21.38	1.97
	(7+8)-VII-2	221429	684381	7.11	6427	136287	23.32	1.97
	(7+8)-VII-3	231955	598324	5.93	27366	138907	5.58	1.75
	(7+8)-VII-4	230951	590264	5.88	27605	137889	5.49	1.75
	(7+8)-VIII-1	226938	704400	7.14	4049	139060	37.78	2.00
	(7+8)-VIII-2	223590	672207	6.91	5718	135621	26.09	1.98
	(7+8)-VIII-3	229794	659115	6.60	14519	139527	10.57	1.89
	(7+8)-VIII-4	226446	629422	6.39	15791	136110	9.48	1.87
9003	2	19622	36202	4.24	699	9094	14.31	2.53
	3	16958	36290	4.92	672	8223	13.47	2.53
	4	17526	35802	4.70	695	8384	13.28	2.52
	(5+6)-I-1	12254	35225	6.61	442	6590	16.41	2.53
	(5+6)-I-2	12823	35097	6.30	563	6790	13.26	2.51
	(5+6)-I-3	13140	32522	5.69	1654	6937	4.61	2.28
	(5+6)-I-4	13709	32706	5.49	1600	7118	4.90	2.30
	(5+6)-II-1	11901	35942	6.95	363	6501	19.72	2.55
	(5+6)-II-2	13796	37626	6.27	36	7162	>100	2.63
	(5+6)-II-3	12167	34622	6.54	968	6625	7.53	2.42
	(5+6)-II-4	14062	35829	5.86	708	7262	11.28	2.50
	(5+6)-III-1	12206	34995	6.59	504	6572	14.34	2.51
	(5+6)-III-2	12871	35327	6.31	498	6807	15.03	2.52
	(5+6)-III-3	13092	32756	5.75	1579	6922	4.82	2.30
	(5+6)-III-4	13757	32472	5.43	1678	7133	4.68	2.29
	(5+6)-IV-1	11741	36545	7.16	149	6443	47.54	2.60
	(5+6)-IV-2	13956	36968	6.09	278	7219	28.55	2.58
	(5+6)-IV-3	12007	35254	6.75	740	6567	9.76	2.47
	(5+6)-IV-4	14222	35032	5.67	963	7311	8.35	2.44
	(5+6)-V-1	11934	36135	6.96	285	6508	25.09	2.57
	(5+6)-V-2	12502	35998	6.62	399	6708	18.50	2.55
	(5+6)-V-3	13461	33359	5.70	1530	7067	5.08	2.32
	(5+6)-V-4	14029	33539	5.50	1467	7248	5.43	2.34
	(5+6)-VI-1	11805	35936	7.00	403	6477	17.67	2.54
	(5+6)-VI-2	13700	37598	6.31	85	7137	92.37	2.63
	(5+6)-VI-3	12263	34628	6.49	930	6649	7.86	2.43
	(5+6)-VI-4	14158	36092	5.86	662	7301	12.13	2.51
	(5+6)-VII-1	11886	35905	6.95	347	6491	20.59	2.55
	(5+6)-VII-2	12550	36229	6.64	335	6725	22.09	2.56
	(5+6)-VII-3	13413	33598	5.76	1453	7053	5.34	2.34
	(5+6)-VII-4	14077	33301	5.44	1546	7263	5.17	2.32
	(5+6)-VIII-1	11644	36541	7.22	191	6419	37.03	2.59
	(5+6)-VIII-2	13860	36939	6.13	326	7194	24.27	2.58
	(5+6)-VIII-3	12103	35259	6.70	702	6591	10.33	2.48
	(5+6)-VIII-4	14318	35291	5.67	918	7350	8.80	2.46
	(7+8)-I-1	11063	35005	7.28	434	6187	15.68	2.52
	(7+8)-I-2	11632	34888	6.90	556	6389	12.64	2.50
	(7+8)-I-3	11950	32232	6.20	1638	6540	4.39	2.27
	(7+8)-I-4	12518	32412	5.96	1589	6721	4.65	2.28
	(7+8)-II-1	10710	35781	7.68	356	6101	18.87	2.54
	(7+8)-II-2	12605	37582	6.86	36	6766	>100	2.63
	(7+8)-II-3	10976	34444	7.22	951	6229	7.20	2.41
	(7+8)-II-4	12871	35707	6.38	705	6867	10.72	2.49
	(7+8)-III-1	11015	34764	7.26	495	6169	13.70	2.50

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-III-2	11680	35129	6.92	492	6406	14.32	2.51
	(7+8)-III-3	11902	32479	6.28	1563	6525	4.59	2.28
	(7+8)-III-4	12566	32165	5.89	1668	6736	4.44	2.27
	(7+8)-IV-1	10550	36402	7.94	146	6042	45.53	2.59
	(7+8)-IV-2	12766	36894	6.65	277	6823	27.13	2.58
	(7+8)-IV-3	10816	35101	7.46	727	6170	9.34	2.46
	(7+8)-IV-4	13032	34866	6.15	960	6916	7.93	2.43
	(7+8)-V-1	10743	35979	7.70	280	6108	24.03	2.56
	(7+8)-V-2	11311	35852	7.29	393	6309	17.68	2.54
	(7+8)-V-3	12270	33120	6.21	1519	6673	4.83	2.30
	(7+8)-V-4	12839	33297	5.97	1461	6853	5.16	2.32
	(7+8)-VI-1	10614	35785	7.75	395	6077	16.92	2.54
	(7+8)-VI-2	12509	37558	6.91	84	6741	87.90	2.62
	(7+8)-VI-3	11072	34441	7.15	915	6252	7.52	2.42
	(7+8)-VI-4	12967	35987	6.38	659	6907	11.53	2.50
	(7+8)-VII-1	10695	35737	7.69	340	6090	19.72	2.55
	(7+8)-VII-2	11359	36094	7.31	330	6326	21.10	2.56
	(7+8)-VII-3	12222	33373	6.28	1442	6658	5.08	2.32
	(7+8)-VII-4	12887	33045	5.90	1540	6868	4.90	2.31
	(7+8)-VIII-1	10454	36406	8.01	187	6019	35.49	2.59
	(7+8)-VIII-2	12670	36869	6.69	324	6799	23.08	2.57
	(7+8)-VIII-3	10912	35097	7.40	689	6194	9.88	2.47
	(7+8)-VIII-4	13128	35140	6.16	915	6956	8.36	2.45
9004	2	18750	34320	4.21	668	8694	14.32	2.51
	3	16166	34249	4.87	640	7841	13.47	2.50
	4	16907	34200	4.65	670	8084	13.27	2.50
	(5+6)-I-1	12031	35402	6.77	434	6526	16.56	2.53
	(5+6)-I-2	12466	34981	6.45	548	6664	13.39	2.50
	(5+6)-I-3	12399	30293	5.62	1561	6544	4.61	2.26
	(5+6)-I-4	12834	30546	5.47	1498	6686	4.91	2.28
	(5+6)-II-1	11652	35082	6.92	355	6369	19.73	2.54
	(5+6)-II-2	13103	35894	6.30	34	6835	>100	2.61
	(5+6)-II-3	11762	32696	6.39	935	6373	7.49	2.40
	(5+6)-II-4	13213	33523	5.84	665	6843	11.31	2.47
	(5+6)-III-1	12037	35233	6.73	497	6530	14.45	2.52
	(5+6)-III-2	12461	35152	6.49	482	6661	15.19	2.52
	(5+6)-III-3	12405	30517	5.66	1496	6548	4.82	2.27
	(5+6)-III-4	12828	30322	5.44	1565	6682	4.70	2.26
	(5+6)-IV-1	11671	35877	7.07	148	6382	47.37	2.59
	(5+6)-IV-2	13084	35102	6.17	261	6822	28.78	2.56
	(5+6)-IV-3	11782	33469	6.53	727	6386	9.67	2.45
	(5+6)-IV-4	13194	32753	5.71	894	6830	8.41	2.42
	(5+6)-V-1	11968	35940	6.91	286	6509	25.02	2.56
	(5+6)-V-2	12403	35516	6.59	396	6647	18.48	2.54
	(5+6)-V-3	12462	30681	5.66	1417	6562	5.09	2.29
	(5+6)-V-4	12897	30939	5.52	1349	6704	5.47	2.31
	(5+6)-VI-1	11633	34963	6.91	397	6363	17.62	2.53
	(5+6)-VI-2	13084	35769	6.29	81	6830	92.56	2.60
	(5+6)-VI-3	11781	32813	6.41	893	6378	7.85	2.41
	(5+6)-VI-4	13232	33646	5.85	619	6848	12.18	2.48
	(5+6)-VII-1	11974	35771	6.87	349	6513	20.51	2.55
	(5+6)-VII-2	12397	35688	6.62	331	6643	22.09	2.55
	(5+6)-VII-3	12468	30906	5.70	1351	6566	5.35	2.30
	(5+6)-VII-4	12892	30714	5.48	1416	6700	5.20	2.29
	(5+6)-VIII-1	11652	35757	7.06	191	6377	36.76	2.58
	(5+6)-VIII-2	13065	34978	6.16	307	6817	24.40	2.55
	(5+6)-VIII-3	11801	33587	6.55	684	6391	10.27	2.46
	(5+6)-VIII-4	13213	32874	5.72	847	6836	8.87	2.43
	(7+8)-I-1	10827	35441	7.53	425	6133	15.88	2.53
	(7+8)-I-2	11262	34988	7.15	538	6271	12.82	2.50

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-I-3	11195	29992	6.16	1535	6140	4.40	2.24
	(7+8)-I-4	11630	30250	5.98	1477	6282	4.68	2.26
	(7+8)-II-1	10448	35073	7.72	347	5972	18.94	2.54
	(7+8)-II-2	11899	35899	6.94	34	6437	>100	2.61
	(7+8)-II-3	10558	32545	7.09	915	5973	7.18	2.39
	(7+8)-II-4	12009	33390	6.39	657	6442	10.78	2.46
	(7+8)-III-1	10833	35266	7.49	487	6137	13.86	2.51
	(7+8)-III-2	11256	35164	7.19	474	6267	14.54	2.51
	(7+8)-III-3	11200	30227	6.21	1470	6144	4.60	2.25
	(7+8)-III-4	11624	30015	5.94	1543	6278	4.48	2.24
	(7+8)-IV-1	10467	35910	7.89	145	5986	45.47	2.59
	(7+8)-IV-2	11879	35064	6.79	257	6424	27.45	2.56
	(7+8)-IV-3	10577	33359	7.25	711	5987	9.26	2.44
	(7+8)-IV-4	11990	32577	6.25	883	6429	8.01	2.41
	(7+8)-V-1	10764	36009	7.69	280	6116	24.01	2.56
	(7+8)-V-2	11199	35553	7.30	389	6254	17.70	2.54
	(7+8)-V-3	11258	30392	6.21	1394	6157	4.86	2.27
	(7+8)-V-4	11693	30658	6.03	1330	6300	5.21	2.29
	(7+8)-VI-1	10429	34950	7.71	388	5967	16.91	2.52
	(7+8)-VI-2	11880	35769	6.93	80	6432	88.31	2.60
	(7+8)-VI-3	10577	32666	7.10	874	5978	7.52	2.40
	(7+8)-VI-4	12028	33517	6.41	611	6447	11.60	2.47
	(7+8)-VII-1	10769	35834	7.65	342	6121	19.69	2.55
	(7+8)-VII-2	11193	35730	7.34	325	6250	21.16	2.55
	(7+8)-VII-3	11264	30629	6.25	1329	6161	5.10	2.29
	(7+8)-VII-4	11687	30421	5.99	1397	6296	4.96	2.28
	(7+8)-VIII-1	10448	35787	7.88	186	5981	35.29	2.58
	(7+8)-VIII-2	11860	34935	6.77	303	6419	23.28	2.55
	(7+8)-VIII-3	10596	33480	7.27	670	5992	9.84	2.45
	(7+8)-VIII-4	12009	32704	6.26	837	6434	8.45	2.42
9005	2	62205	100116	3.70	2216	29237	14.51	2.10
	3	60827	100311	3.79	2409	28852	13.17	2.09
	4	53324	99221	4.28	2113	26245	13.66	2.10
	(5+6)-I-1	46234	96486	4.80	1666	23602	15.58	2.11
	(5+6)-I-2	49078	97110	4.55	2156	24713	12.61	2.08
	(5+6)-I-3	36633	85644	5.38	4612	20375	4.86	1.89
	(5+6)-I-4	39477	84852	4.94	4606	21171	5.06	1.90
	(5+6)-II-1	39555	97953	5.70	1205	21438	19.56	2.13
	(5+6)-II-2	49037	103700	4.86	129	24774	>100	2.21
	(5+6)-II-3	36675	94926	5.95	2917	20757	7.83	2.00
	(5+6)-II-4	46156	94520	4.71	2324	23571	11.16	2.07
	(5+6)-III-1	46261	95586	4.75	1910	23593	13.59	2.10
	(5+6)-III-2	49051	98016	4.60	1899	24721	14.32	2.10
	(5+6)-III-3	36660	86501	5.43	4420	20408	5.08	1.90
	(5+6)-III-4	39450	84006	4.90	4812	21140	4.83	1.89
	(5+6)-IV-1	39646	99430	5.77	503	21396	46.75	2.18
	(5+6)-IV-2	48946	100613	4.73	975	24685	27.84	2.15
	(5+6)-IV-3	36765	96289	6.02	2267	20709	10.05	2.05
	(5+6)-IV-4	46065	91577	4.57	3120	23477	8.28	2.02
	(5+6)-V-1	44217	96749	5.03	1057	22805	23.73	2.15
	(5+6)-V-2	47061	97595	4.77	1501	23930	17.53	2.12
	(5+6)-V-3	38650	85756	5.10	4394	20941	5.24	1.91
	(5+6)-V-4	41494	85172	4.72	4339	21750	5.51	1.93
	(5+6)-VI-1	38950	97040	5.73	1330	21194	17.52	2.12
	(5+6)-VI-2	48431	103507	4.92	300	24602	90.07	2.19
	(5+6)-VI-3	37280	95746	5.91	2827	20998	8.17	2.01
	(5+6)-VI-4	46761	94692	4.66	2186	23745	11.95	2.08
	(5+6)-VII-1	44244	95851	4.98	1291	22795	19.43	2.14
	(5+6)-VII-2	47034	98501	4.82	1255	23940	20.99	2.14
	(5+6)-VII-3	38677	86614	5.15	4191	20972	5.50	1.93

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-VII-4	41467	84324	4.68	4555	21720	5.25	1.92
	(5+6)-VIII-1	39041	98484	5.80	639	21151	36.39	2.17
	(5+6)-VIII-2	48341	100425	4.78	1137	24512	23.71	2.14
	(5+6)-VIII-3	37370	97144	5.98	2167	20951	10.64	2.06
	(5+6)-VIII-4	46671	91745	4.52	2993	23652	8.69	2.03
	(7+8)-I-1	42938	95685	5.13	1685	22464	14.67	2.11
	(7+8)-I-2	45783	96392	4.84	2188	23590	11.86	2.08
	(7+8)-I-3	33337	84688	5.84	4571	19258	4.63	1.87
	(7+8)-I-4	36182	83759	5.32	4594	20042	4.80	1.89
	(7+8)-II-1	36259	97183	6.16	1204	20295	18.54	2.13
	(7+8)-II-2	45741	103694	5.21	130	23685	>100	2.20
	(7+8)-II-3	33379	94157	6.49	2893	19637	7.47	1.99
	(7+8)-II-4	42861	93943	5.04	2346	22462	10.53	2.06
	(7+8)-III-1	42965	94733	5.07	1931	22453	12.79	2.09
	(7+8)-III-2	45755	97352	4.89	1927	23600	13.47	2.09
	(7+8)-III-3	33365	85594	5.90	4380	19293	4.84	1.89
	(7+8)-III-4	36155	82866	5.27	4799	20009	4.59	1.87
	(7+8)-IV-1	36350	98699	6.25	503	20247	44.28	2.18
	(7+8)-IV-2	45650	100413	5.06	989	23592	26.23	2.15
	(7+8)-IV-3	33470	95534	6.56	2249	19581	9.58	2.04
	(7+8)-IV-4	42770	90825	4.88	3150	22364	7.81	2.01
	(7+8)-V-1	40921	95909	5.39	1065	21654	22.36	2.15
	(7+8)-V-2	43766	96876	5.09	1519	22797	16.51	2.12
	(7+8)-V-3	35354	84722	5.51	4376	19815	4.98	1.90
	(7+8)-V-4	38199	84045	5.06	4346	20616	5.22	1.92
	(7+8)-VI-1	35654	96201	6.21	1327	20047	16.62	2.12
	(7+8)-VI-2	45136	103494	5.27	304	23515	84.98	2.19
	(7+8)-VI-3	33984	95031	6.43	2808	19882	7.79	2.00
	(7+8)-VI-4	43466	94119	4.98	2209	22635	11.27	2.07
	(7+8)-VII-1	40949	94959	5.33	1300	21642	18.31	2.13
	(7+8)-VII-2	43739	97835	5.14	1270	22808	19.76	2.13
	(7+8)-VII-3	35382	85630	5.57	4174	19849	5.23	1.91
	(7+8)-VII-4	38172	83149	5.01	4563	20584	4.96	1.90
	(7+8)-VIII-1	35745	97677	6.28	638	19997	34.49	2.17
	(7+8)-VIII-2	45045	100219	5.12	1152	23421	22.37	2.14
	(7+8)-VIII-3	34075	96449	6.51	2153	19828	10.13	2.05
	(7+8)-VIII-4	43375	90996	4.83	3025	22537	8.20	2.02
9006	2	373377	666426	4.11	13303	185847	15.37	1.94
	3	310376	678838	5.03	12292	166297	14.88	1.94
	4	348415	635682	4.20	13807	175023	13.94	1.93
	(5+6)-I-1	249743	655236	6.03	9000	143681	17.56	1.95
	(5+6)-I-2	250122	652870	6.00	10987	144244	14.44	1.93
	(5+6)-I-3	248122	586402	5.44	31239	144035	5.07	1.72
	(5+6)-I-4	248500	598632	5.54	28996	144599	5.49	1.74
	(5+6)-II-1	248734	658070	6.09	7579	143144	20.77	1.97
	(5+6)-II-2	249996	699437	6.43	655	145023	>100	2.04
	(5+6)-II-3	248247	617706	5.72	19743	143250	7.98	1.84
	(5+6)-II-4	249510	658822	6.07	12562	145130	12.71	1.91
	(5+6)-III-1	249720	650739	5.99	10312	143692	15.33	1.94
	(5+6)-III-2	250145	657344	6.04	9684	144233	16.38	1.94
	(5+6)-III-3	248099	591125	5.48	29913	144046	5.30	1.73
	(5+6)-III-4	248523	593912	5.50	30314	144589	5.25	1.73
	(5+6)-IV-1	248657	674745	6.24	3157	143180	49.88	2.01
	(5+6)-IV-2	250072	682825	6.28	4984	144987	32.00	1.99
	(5+6)-IV-3	248171	633954	5.88	15305	143286	10.30	1.88
	(5+6)-IV-4	249586	642619	5.92	16905	145094	9.44	1.87
	(5+6)-V-1	248228	668652	6.20	5935	143405	26.58	1.98
	(5+6)-V-2	248606	666220	6.16	7931	143971	19.97	1.96
	(5+6)-V-3	249637	594226	5.47	28378	144306	5.59	1.75
	(5+6)-V-4	250016	606458	5.58	26142	144869	6.10	1.77

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-VI-1	248279	655528	6.07	8481	143061	18.56	1.96
	(5+6)-VI-2	249541	696898	6.42	1548	144942	>100	2.03
	(5+6)-VI-3	248702	620157	5.74	18860	143332	8.36	1.85
	(5+6)-VI-4	249964	661272	6.08	11687	145211	13.67	1.92
	(5+6)-VII-1	248205	664116	6.15	7240	143416	21.79	1.97
	(5+6)-VII-2	248629	670733	6.20	6633	143960	23.87	1.98
	(5+6)-VII-3	249614	598980	5.52	27046	144317	5.87	1.76
	(5+6)-VII-4	250039	601706	5.53	27466	144858	5.80	1.76
	(5+6)-VIII-1	248203	672169	6.23	4064	143097	38.73	2.00
	(5+6)-VIII-2	249618	680318	6.27	5871	144906	27.15	1.99
	(5+6)-VIII-3	248625	636438	5.89	14417	143368	10.94	1.89
	(5+6)-VIII-4	250041	645037	5.93	16036	145175	9.96	1.88
	(7+8)-I-1	225585	649498	6.62	8851	135280	16.81	1.95
	(7+8)-I-2	225963	647410	6.59	10799	135890	13.84	1.93
	(7+8)-I-3	223963	578906	5.95	30705	135727	4.86	1.71
	(7+8)-I-4	224342	591947	6.07	28485	136339	5.27	1.73
	(7+8)-II-1	224575	652241	6.68	7457	134719	19.87	1.96
	(7+8)-II-2	225838	696316	7.09	643	136757	>100	2.04
	(7+8)-II-3	224089	610609	6.27	19421	134853	7.64	1.83
	(7+8)-II-4	225351	654437	6.68	12335	136892	12.21	1.91
	(7+8)-III-1	225562	644853	6.58	10140	135292	14.68	1.93
	(7+8)-III-2	225986	652029	6.64	9518	135878	15.70	1.94
	(7+8)-III-3	223940	583807	6.00	29400	135739	5.08	1.72
	(7+8)-III-4	224365	587049	6.02	29781	136326	5.04	1.72
	(7+8)-IV-1	224499	669585	6.86	3106	134762	47.73	2.01
	(7+8)-IV-2	225914	679049	6.91	4895	136715	30.72	1.99
	(7+8)-IV-3	224013	627492	6.44	15054	134895	9.86	1.88
	(7+8)-IV-4	225428	637608	6.51	16602	136850	9.07	1.86
	(7+8)-V-1	224069	663559	6.81	5832	135026	25.47	1.98
	(7+8)-V-2	224448	661404	6.78	7790	135639	19.15	1.96
	(7+8)-V-3	225479	586808	5.99	27910	135976	5.36	1.74
	(7+8)-V-4	225857	599848	6.11	25697	136585	5.85	1.76
	(7+8)-VI-1	224121	649651	6.67	8342	134642	17.75	1.95
	(7+8)-VI-2	225383	693733	7.08	1520	136683	98.91	2.03
	(7+8)-VI-3	224544	613096	6.28	18557	134929	8.00	1.84
	(7+8)-VI-4	225806	656920	6.69	11478	136966	13.13	1.92
	(7+8)-VII-1	224046	658873	6.76	7115	135038	20.88	1.97
	(7+8)-VII-2	224471	666064	6.82	6516	135626	22.90	1.97
	(7+8)-VII-3	225456	591744	6.04	26599	135988	5.62	1.75
	(7+8)-VII-4	225880	594915	6.06	26999	136573	5.56	1.75
	(7+8)-VIII-1	224044	666958	6.85	3998	134685	37.06	2.00
	(7+8)-VIII-2	225460	676501	6.90	5766	136641	26.07	1.98
	(7+8)-VIII-3	224467	630016	6.46	14183	134971	10.47	1.89
	(7+8)-VIII-4	225882	640056	6.52	15751	136923	9.56	1.87
9007	2	18828	34347	4.20	671	8722	14.30	2.51
	3	16300	34371	4.85	646	7892	13.45	2.50
	4	16891	34141	4.65	669	8076	13.27	2.50
	(5+6)-I-1	12534	35461	6.51	452	6697	16.31	2.53
	(5+6)-I-2	12337	34914	6.51	542	6617	13.43	2.50
	(5+6)-I-3	12599	30409	5.55	1586	6619	4.59	2.26
	(5+6)-I-4	12402	30522	5.66	1447	6538	4.97	2.28
	(5+6)-II-1	12787	35361	6.36	390	6763	19.09	2.54
	(5+6)-II-2	12130	35585	6.75	32	6495	>100	2.61
	(5+6)-II-3	12806	32959	5.92	1018	6740	7.28	2.39
	(5+6)-II-4	12150	33254	6.30	612	6471	11.64	2.47
	(5+6)-III-1	12506	35354	6.50	516	6693	14.26	2.52
	(5+6)-III-2	12366	35017	6.51	479	6621	15.21	2.52
	(5+6)-III-3	12570	30694	5.62	1516	6615	4.80	2.27
	(5+6)-III-4	12431	30240	5.60	1516	6542	4.75	2.26
	(5+6)-IV-1	12691	36393	6.60	161	6750	46.07	2.59

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-IV-2	12226	34596	6.51	244	6508	29.38	2.55
	(5+6)-IV-3	12711	33959	6.14	784	6726	9.44	2.45
	(5+6)-IV-4	12245	32294	6.07	829	6484	8.60	2.41
	(5+6)-V-1	12562	36044	6.60	300	6712	24.58	2.56
	(5+6)-V-2	12365	35487	6.60	394	6633	18.50	2.54
	(5+6)-V-3	12572	30764	5.63	1429	6604	5.08	2.29
	(5+6)-V-4	12375	30865	5.74	1294	6523	5.55	2.31
	(5+6)-VI-1	12795	35246	6.34	437	6767	17.03	2.53
	(5+6)-VI-2	12138	35482	6.72	75	6500	94.95	2.60
	(5+6)-VI-3	12798	33072	5.94	971	6735	7.63	2.40
	(5+6)-VI-4	12141	33355	6.32	568	6466	12.53	2.48
	(5+6)-VII-1	12533	35935	6.59	366	6708	20.18	2.55
	(5+6)-VII-2	12394	35591	6.60	331	6636	22.08	2.55
	(5+6)-VII-3	12543	31049	5.69	1359	6600	5.34	2.30
	(5+6)-VII-4	12403	30583	5.67	1362	6527	5.27	2.30
	(5+6)-VIII-1	12699	36277	6.57	208	6754	35.73	2.58
	(5+6)-VIII-2	12234	34492	6.48	288	6513	24.90	2.54
	(5+6)-VIII-3	12702	34072	6.17	737	6722	10.04	2.46
	(5+6)-VIII-4	12237	32396	6.09	785	6480	9.08	2.42
	(7+8)-I-1	11332	35500	7.21	445	6305	15.60	2.53
	(7+8)-I-2	11135	34916	7.21	532	6224	12.87	2.50
	(7+8)-I-3	11396	30119	6.08	1562	6217	4.38	2.24
	(7+8)-I-4	11199	30227	6.21	1422	6134	4.75	2.26
	(7+8)-II-1	11584	35373	7.02	385	6369	18.21	2.54
	(7+8)-II-2	10927	35560	7.48	31	6096	>100	2.61
	(7+8)-II-3	11604	32825	6.51	1006	6343	6.94	2.38
	(7+8)-II-4	10947	33095	6.95	599	6069	11.14	2.46
	(7+8)-III-1	11303	35393	7.20	508	6302	13.64	2.51
	(7+8)-III-2	11163	35017	7.21	470	6227	14.57	2.51
	(7+8)-III-3	11368	30422	6.16	1492	6213	4.58	2.26
	(7+8)-III-4	11228	29929	6.13	1490	6138	4.53	2.25
	(7+8)-IV-1	11488	36475	7.30	159	6358	44.00	2.59
	(7+8)-IV-2	11023	34506	7.20	239	6107	28.12	2.55
	(7+8)-IV-3	11508	33892	6.77	773	6331	9.01	2.44
	(7+8)-IV-4	11043	32075	6.68	813	6080	8.22	2.40
	(7+8)-V-1	11359	36116	7.31	296	6321	23.52	2.56
	(7+8)-V-2	11162	35521	7.32	387	6240	17.72	2.54
	(7+8)-V-3	11369	30484	6.17	1407	6201	4.85	2.27
	(7+8)-V-4	11172	30579	6.30	1271	6118	5.29	2.30
	(7+8)-VI-1	11592	35254	6.99	431	6373	16.25	2.53
	(7+8)-VI-2	10936	35454	7.46	74	6101	91.00	2.60
	(7+8)-VI-3	11595	32942	6.53	958	6338	7.28	2.39
	(7+8)-VI-4	10939	33199	6.98	556	6064	12.00	2.47
	(7+8)-VII-1	11330	36008	7.31	360	6318	19.31	2.55
	(7+8)-VII-2	11191	35624	7.32	325	6243	21.14	2.55
	(7+8)-VII-3	11340	30787	6.24	1338	6197	5.10	2.29
	(7+8)-VII-4	11201	30280	6.22	1339	6121	5.03	2.28
	(7+8)-VIII-1	11497	36355	7.27	205	6362	34.12	2.58
	(7+8)-VIII-2	11031	34401	7.17	282	6112	23.83	2.54
	(7+8)-VIII-3	11500	34009	6.80	727	6327	9.58	2.45
	(7+8)-VIII-4	11034	32179	6.71	769	6075	8.68	2.41
9008	2	19922	36185	4.18	710	9192	14.25	2.53
	3	17098	36285	4.88	677	8270	13.43	2.53
	4	18497	35766	4.45	733	8705	13.06	2.52
	(5+6)-I-1	12900	34466	6.15	465	6761	16.00	2.51
	(5+6)-I-2	13291	34807	6.02	584	6930	13.06	2.50
	(5+6)-I-3	13379	32250	5.54	1684	7001	4.57	2.28
	(5+6)-I-4	13770	32039	5.35	1607	7097	4.86	2.29
	(5+6)-II-1	12611	34950	6.37	384	6680	19.12	2.53
	(5+6)-II-2	13916	37781	6.24	36	7210	>100	2.64

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-II-3	12754	33928	6.12	1014	6781	7.35	2.41
	(5+6)-II-4	14059	34967	5.72	708	7211	11.21	2.48
	(5+6)-III-1	12871	34141	6.10	531	6744	13.96	2.50
	(5+6)-III-2	13321	35131	6.07	516	6946	14.82	2.52
	(5+6)-III-3	13349	32569	5.61	1609	6998	4.78	2.29
	(5+6)-III-4	13799	31728	5.29	1683	7101	4.64	2.28
	(5+6)-IV-1	12513	35216	6.47	159	6623	45.85	2.58
	(5+6)-IV-2	14013	36677	6.02	279	7221	28.44	2.58
	(5+6)-IV-3	12657	34234	6.22	781	6725	9.48	2.45
	(5+6)-IV-4	14157	33907	5.51	959	7222	8.29	2.43
	(5+6)-V-1	12737	34758	6.28	305	6696	24.19	2.55
	(5+6)-V-2	13129	35121	6.15	419	6866	18.03	2.53
	(5+6)-V-3	13541	32582	5.53	1539	7046	5.04	2.31
	(5+6)-V-4	13933	32380	5.35	1457	7144	5.39	2.32
	(5+6)-VI-1	12562	34754	6.36	429	6661	17.08	2.52
	(5+6)-VI-2	13867	37674	6.25	86	7196	92.02	2.63
	(5+6)-VI-3	12803	34117	6.13	971	6800	7.70	2.42
	(5+6)-VI-4	14108	35073	5.72	660	7224	12.05	2.49
	(5+6)-VII-1	12708	34430	6.23	371	6679	19.82	2.53
	(5+6)-VII-2	13158	35448	6.20	351	6883	21.57	2.55
	(5+6)-VII-3	13512	32901	5.60	1464	7043	5.29	2.33
	(5+6)-VII-4	13962	32068	5.28	1534	7147	5.13	2.31
	(5+6)-VIII-1	12464	35017	6.46	204	6604	35.59	2.57
	(5+6)-VIII-2	13964	36570	6.02	328	7208	24.14	2.57
	(5+6)-VIII-3	12706	34426	6.23	737	6744	10.07	2.46
	(5+6)-VIII-4	14206	34013	5.51	911	7236	8.74	2.44
	(7+8)-I-1	11841	34194	6.64	465	6399	15.15	2.51
	(7+8)-I-2	12233	34579	6.50	585	6572	12.37	2.49
	(7+8)-I-3	12320	31919	5.96	1689	6647	4.33	2.26
	(7+8)-I-4	12711	31682	5.73	1614	6741	4.59	2.27
	(7+8)-II-1	11552	34707	6.91	384	6320	18.12	2.53
	(7+8)-II-2	12857	37761	6.76	37	6859	>100	2.64
	(7+8)-II-3	11696	33669	6.62	1014	6425	6.97	2.40
	(7+8)-II-4	13000	34773	6.15	712	6856	10.60	2.48
	(7+8)-III-1	11812	33848	6.59	531	6382	13.22	2.49
	(7+8)-III-2	12262	34924	6.55	516	6589	14.03	2.51
	(7+8)-III-3	12290	32258	6.04	1614	6644	4.53	2.28
	(7+8)-III-4	12741	31352	5.66	1691	6744	4.39	2.25
	(7+8)-IV-1	11454	34967	7.02	158	6260	43.45	2.57
	(7+8)-IV-2	12955	36587	6.50	281	6869	26.92	2.58
	(7+8)-IV-3	11598	33976	6.74	779	6367	8.99	2.44
	(7+8)-IV-4	13098	33648	5.91	965	6866	7.83	2.42
	(7+8)-V-1	11679	34490	6.79	304	6333	22.92	2.54
	(7+8)-V-2	12070	34902	6.65	419	6507	17.09	2.53
	(7+8)-V-3	12483	32263	5.94	1545	6692	4.76	2.29
	(7+8)-V-4	12874	32036	5.72	1465	6787	5.10	2.31
	(7+8)-VI-1	11503	34498	6.90	428	6300	16.18	2.52
	(7+8)-VI-2	12808	37649	6.76	86	6846	87.17	2.63
	(7+8)-VI-3	11745	33870	6.63	971	6445	7.30	2.41
	(7+8)-VI-4	13049	34883	6.15	663	6869	11.39	2.49
	(7+8)-VII-1	11649	34141	6.74	370	6316	18.78	2.52
	(7+8)-VII-2	12099	35250	6.70	351	6524	20.43	2.54
	(7+8)-VII-3	12453	32602	6.02	1469	6689	5.01	2.31
	(7+8)-VII-4	12903	31706	5.65	1542	6790	4.84	2.29
	(7+8)-VIII-1	11406	34755	7.01	204	6240	33.73	2.56
	(7+8)-VIII-2	12906	36475	6.50	330	6855	22.85	2.57
	(7+8)-VIII-3	11647	34179	6.75	736	6386	9.55	2.45
	(7+8)-VIII-4	13147	33758	5.91	917	6880	8.25	2.43
9009	2	353175	524181	3.41	12583	165846	14.50	1.95
	3	345340	504156	3.36	13677	161679	13.00	1.93

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	4	308405	520609	3.88	12222	150893	13.58	1.94
	(5+6)-I-1	265043	526372	4.57	9552	136846	15.76	1.95
	(5+6)-I-2	239658	526727	5.06	10528	128949	13.47	1.93
	(5+6)-I-3	245005	450185	4.23	30847	129267	4.61	1.70
	(5+6)-I-4	219620	464730	4.87	25626	121305	5.21	1.74
	(5+6)-II-1	287646	521814	4.17	8765	143554	18.02	1.96
	(5+6)-II-2	203028	557080	6.31	532	116638	>100	2.05
	(5+6)-II-3	281635	480223	3.92	22398	141301	6.94	1.81
	(5+6)-II-4	197016	525341	6.13	9919	114894	12.74	1.92
	(5+6)-III-1	264542	522982	4.55	10924	136754	13.77	1.93
	(5+6)-III-2	240159	529857	5.07	9298	129033	15.27	1.94
	(5+6)-III-3	244504	454859	4.28	29480	129178	4.82	1.71
	(5+6)-III-4	220120	460086	4.81	26849	121384	4.97	1.72
	(5+6)-IV-1	285977	538876	4.33	3631	143223	43.38	2.02
	(5+6)-IV-2	204697	547011	6.15	4080	117440	31.67	2.00
	(5+6)-IV-3	279966	496660	4.08	17266	140973	8.98	1.87
	(5+6)-IV-4	198686	509392	5.90	13458	115117	9.41	1.88
	(5+6)-V-1	266985	541388	4.66	6383	137979	23.78	1.98
	(5+6)-V-2	241599	532216	5.07	7707	129244	18.45	1.96
	(5+6)-V-3	243064	453820	4.29	27631	128078	5.10	1.73
	(5+6)-V-4	217678	467377	4.94	22761	120057	5.80	1.77
	(5+6)-VI-1	288229	520268	4.15	9845	143885	16.08	1.95
	(5+6)-VI-2	203610	552317	6.24	1263	116640	>100	2.04
	(5+6)-VI-3	281052	481690	3.94	21313	140966	7.28	1.83
	(5+6)-VI-4	196434	525815	6.16	9184	114503	13.71	1.93
	(5+6)-VII-1	266484	537923	4.64	7773	137887	19.51	1.97
	(5+6)-VII-2	242100	537156	5.10	6459	129491	22.05	1.98
	(5+6)-VII-3	242563	458482	4.35	26282	127989	5.36	1.75
	(5+6)-VII-4	218179	462752	4.88	23966	120137	5.51	1.75
	(5+6)-VIII-1	286559	537334	4.31	4693	143554	33.65	2.00
	(5+6)-VIII-2	205280	543067	6.08	4828	117515	26.77	1.99
	(5+6)-VIII-3	279383	498121	4.10	16201	140638	9.55	1.88
	(5+6)-VIII-4	198103	509894	5.92	12705	114726	9.93	1.89
	(7+8)-I-1	250855	524756	4.81	9842	132181	14.77	1.94
	(7+8)-I-2	225469	525306	5.36	10775	124318	12.69	1.92
	(7+8)-I-3	230817	444100	4.43	31645	124545	4.33	1.68
	(7+8)-I-4	205431	459936	5.15	26084	116611	4.92	1.72
	(7+8)-II-1	273458	519908	4.37	9080	138846	16.82	1.95
	(7+8)-II-2	188840	555808	6.77	538	111838	>100	2.05
	(7+8)-II-3	267447	475590	4.09	23179	136579	6.48	1.80
	(7+8)-II-4	182828	523472	6.59	10007	110198	12.11	1.91
	(7+8)-III-1	250354	521140	4.79	11254	132093	12.91	1.92
	(7+8)-III-2	225970	528622	5.38	9518	124397	14.38	1.94
	(7+8)-III-3	230316	449053	4.48	30237	124462	4.53	1.69
	(7+8)-III-4	205932	455020	5.08	27334	116684	4.70	1.70
	(7+8)-IV-1	271789	538114	4.55	3760	138526	40.52	2.01
	(7+8)-IV-2	190509	546132	6.59	4128	112737	30.04	2.00
	(7+8)-IV-3	265777	493087	4.27	17861	136262	8.39	1.86
	(7+8)-IV-4	184498	507493	6.33	13588	110479	8.94	1.87
	(7+8)-V-1	252796	540694	4.92	6580	133341	22.29	1.98
	(7+8)-V-2	227411	529616	5.36	7893	124452	17.35	1.96
	(7+8)-V-3	228875	447980	4.50	28331	123323	4.79	1.71
	(7+8)-V-4	203490	462683	5.23	23152	115321	5.48	1.75
	(7+8)-VI-1	274040	518224	4.35	10200	139184	15.01	1.94
	(7+8)-VI-2	189422	550752	6.69	1277	111826	96.29	2.04
	(7+8)-VI-3	266864	477181	4.11	22054	136236	6.80	1.81
	(7+8)-VI-4	182246	524827	6.62	9264	109876	13.05	1.92
	(7+8)-VII-1	252296	536403	4.89	8012	133198	18.29	1.96
	(7+8)-VII-2	227912	534852	5.40	6616	124705	20.74	1.97
	(7+8)-VII-3	228374	452919	4.56	26943	123238	5.03	1.73

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-VII-4	203991	457790	5.16	24383	115394	5.21	1.74
	(7+8)-VIII-1	272371	536435	4.53	4860	138864	31.43	2.00
	(7+8)-VIII-2	191091	541102	6.51	4887	112727	25.37	1.99
	(7+8)-VIII-3	265195	494674	4.29	16756	135920	8.92	1.87
	(7+8)-VIII-4	183915	507978	6.35	12825	110074	9.44	1.88
9010	2	78029	126012	3.71	4218	37268	9.72	2.00
	3	101880	118661	2.68	6122	44649	8.02	1.97
	4	42519	97469	5.27	2556	22719	9.78	2.05
	(5+6)-I-1	67187	122597	4.20	5389	33812	6.90	1.92
	(5+6)-I-2	74081	132219	4.11	2020	36079	19.65	2.08
	(5+6)-I-3	34489	110549	7.37	3315	21706	7.20	1.95
	(5+6)-I-4	41382	127451	7.08	1776	24945	15.45	2.06
	(5+6)-II-1	47700	102907	4.96	7095	26285	4.08	1.78
	(5+6)-II-2	70679	128818	4.19	1983	34645	19.21	2.08
	(5+6)-II-3	37890	98061	5.95	5820	22409	4.24	1.81
	(5+6)-II-4	60869	131028	4.95	1428	31501	24.27	2.10
	(5+6)-III-1	69474	123473	4.09	5220	34578	7.29	1.94
	(5+6)-III-2	71794	131252	4.20	2318	35319	16.76	2.06
	(5+6)-III-3	36775	111875	7.00	3347	22560	7.41	1.96
	(5+6)-III-4	39096	126479	7.44	1875	24152	14.17	2.05
	(5+6)-IV-1	55322	106148	4.41	7279	28995	4.38	1.81
	(5+6)-IV-2	63057	131482	4.80	728	32070	48.47	2.13
	(5+6)-IV-3	45513	102178	5.16	6208	25265	4.48	1.82
	(5+6)-IV-4	53247	133596	5.77	368	28931	86.41	2.15
	(5+6)-V-1	66053	121488	4.23	5714	33432	6.44	1.91
	(5+6)-V-2	72947	130998	4.13	2443	35701	16.07	2.06
	(5+6)-V-3	35622	111706	7.21	3199	22129	7.61	1.96
	(5+6)-V-4	42516	128509	6.95	1559	25335	17.87	2.07
	(5+6)-VI-1	47360	102596	4.98	7135	26163	4.03	1.78
	(5+6)-VI-2	70339	129151	4.22	1844	34530	20.60	2.09
	(5+6)-VI-3	38231	98404	5.92	5799	22539	4.28	1.81
	(5+6)-VI-4	61209	130705	4.91	1549	31616	22.46	2.09
	(5+6)-VII-1	68340	122342	4.12	5565	34199	6.76	1.92
	(5+6)-VII-2	70660	130052	4.23	2721	34941	14.12	2.05
	(5+6)-VII-3	37909	113021	6.86	3211	22978	7.87	1.97
	(5+6)-VII-4	40229	127515	7.29	1678	24545	16.09	2.06
	(5+6)-VIII-1	54982	105825	4.43	7339	28876	4.33	1.80
	(5+6)-VIII-2	62716	131794	4.83	608	31955	57.82	2.14
	(5+6)-VIII-3	45853	102512	5.14	6167	25390	4.53	1.82
	(5+6)-VIII-4	53587	133298	5.72	470	29047	68.01	2.14
	(7+8)-I-1	63371	121712	4.42	5534	32559	6.47	1.91
	(7+8)-I-2	70265	131508	4.30	2084	34785	18.36	2.07
	(7+8)-I-3	30673	108734	8.15	3210	20303	6.96	1.95
	(7+8)-I-4	37566	127003	7.78	1754	23666	14.84	2.06
	(7+8)-II-1	43884	100974	5.29	7113	24943	3.86	1.76
	(7+8)-II-2	66863	127913	4.40	2040	33332	17.97	2.07
	(7+8)-II-3	34075	95586	6.45	5704	20973	4.04	1.79
	(7+8)-II-4	57053	130193	5.25	1455	30186	22.82	2.09
	(7+8)-III-1	65658	122623	4.30	5370	33325	6.83	1.92
	(7+8)-III-2	67978	130473	4.41	2388	34023	15.68	2.06
	(7+8)-III-3	32959	110218	7.69	3267	21179	7.13	1.95
	(7+8)-III-4	35280	125987	8.21	1841	22868	13.66	2.05
	(7+8)-IV-1	51506	104364	4.66	7383	27679	4.12	1.78
	(7+8)-IV-2	59241	130681	5.07	743	30747	45.49	2.13
	(7+8)-IV-3	41697	100096	5.52	6198	23892	4.24	1.80
	(7+8)-IV-4	49431	132817	6.18	372	27604	81.68	2.15
	(7+8)-V-1	62237	120544	4.45	5862	32180	6.04	1.89
	(7+8)-V-2	69131	130204	4.33	2519	34407	15.02	2.05
	(7+8)-V-3	31806	109984	7.95	3110	20738	7.34	1.96
	(7+8)-V-4	38700	128106	7.61	1544	24058	17.14	2.07

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-VI-1	43544	100649	5.32	7149	24820	3.82	1.76
	(7+8)-VI-2	66523	128265	4.43	1896	33217	19.27	2.08
	(7+8)-VI-3	34415	95956	6.41	5689	21107	4.08	1.80
	(7+8)-VI-4	57393	129854	5.20	1579	30301	21.11	2.09
	(7+8)-VII-1	64524	121429	4.33	5720	32946	6.34	1.90
	(7+8)-VII-2	66844	129193	4.45	2801	33644	13.21	2.04
	(7+8)-VII-3	34093	111445	7.52	3144	21605	7.56	1.96
	(7+8)-VII-4	36413	127064	8.03	1652	23263	15.49	2.06
	(7+8)-VIII-1	51166	104025	4.68	7442	27558	4.07	1.78
	(7+8)-VIII-2	58901	131009	5.12	621	30631	54.28	2.14
	(7+8)-VIII-3	42037	100450	5.50	6160	24018	4.29	1.81
	(7+8)-VIII-4	49771	132510	6.12	474	27720	64.27	2.14
9011	2	328431	425015	2.98	17753	149616	9.27	1.89
	3	295551	418950	3.26	17759	138457	8.58	1.87
	4	306105	425124	3.19	18405	142589	8.52	1.87
	(5+6)-I-1	231490	398147	3.96	18567	116355	6.89	1.82
	(5+6)-I-2	226570	461486	4.68	6178	117367	20.90	1.98
	(5+6)-I-3	224431	387705	3.97	21571	113925	5.81	1.78
	(5+6)-I-4	219512	450944	4.72	9420	115020	13.43	1.93
	(5+6)-II-1	234759	326611	3.20	34917	114433	3.60	1.62
	(5+6)-II-2	218360	447950	4.72	6128	113427	20.36	1.98
	(5+6)-II-3	232641	323555	3.20	35734	113678	3.50	1.60
	(5+6)-II-4	216243	450784	4.79	5072	112698	24.44	1.99
	(5+6)-III-1	230315	402400	4.02	17304	116055	7.38	1.84
	(5+6)-III-2	227744	456874	4.61	7352	117653	17.60	1.96
	(5+6)-III-3	223257	391924	4.04	20321	113628	6.15	1.79
	(5+6)-III-4	220686	446357	4.65	10582	115303	11.99	1.92
	(5+6)-IV-1	230845	339345	3.38	30371	113381	4.11	1.67
	(5+6)-IV-2	222274	463512	4.80	2566	115132	49.36	2.03
	(5+6)-IV-3	228727	336244	3.38	31201	112627	3.97	1.65
	(5+6)-IV-4	220157	466439	4.87	1523	114407	82.64	2.04
	(5+6)-V-1	229463	390521	3.91	19851	115314	6.39	1.80
	(5+6)-V-2	224543	453450	4.64	7520	116342	17.02	1.96
	(5+6)-V-3	226458	395306	4.01	20335	114972	6.22	1.79
	(5+6)-V-4	221538	458948	4.76	8124	116051	15.71	1.95
	(5+6)-VI-1	234151	324484	3.19	35276	114115	3.56	1.61
	(5+6)-VI-2	217752	450293	4.76	5709	113327	21.83	1.98
	(5+6)-VI-3	233249	325680	3.21	35379	113996	3.54	1.61
	(5+6)-VI-4	216851	448438	4.76	5487	112799	22.61	1.99
	(5+6)-VII-1	228289	394721	3.98	18589	115013	6.81	1.82
	(5+6)-VII-2	225718	448889	4.57	8693	116629	14.76	1.95
	(5+6)-VII-3	225284	399578	4.08	19083	114675	6.61	1.81
	(5+6)-VII-4	222713	454310	4.69	9287	116332	13.78	1.94
	(5+6)-VIII-1	230237	337162	3.37	30732	113062	4.05	1.66
	(5+6)-VIII-2	221666	465887	4.83	2149	115030	58.89	2.03
	(5+6)-VIII-3	229335	338425	3.39	30844	112947	4.03	1.66
	(5+6)-VIII-4	220765	464061	4.83	1935	114508	65.08	2.04
	(7+8)-I-1	214279	394232	4.23	18711	110577	6.50	1.81
	(7+8)-I-2	209360	461841	5.07	6210	111804	19.80	1.97
	(7+8)-I-3	207221	383253	4.25	21688	108136	5.48	1.76
	(7+8)-I-4	202301	450786	5.13	9447	109461	12.75	1.93
	(7+8)-II-1	217548	318266	3.36	35260	108418	3.38	1.59
	(7+8)-II-2	201150	442436	5.06	6137	107317	19.24	1.97
	(7+8)-II-3	215431	315051	3.36	36061	107655	3.28	1.57
	(7+8)-II-4	199032	445348	5.15	5076	106581	23.10	1.99
	(7+8)-III-1	213105	398747	4.30	17431	110283	6.96	1.82
	(7+8)-III-2	210534	456924	4.99	7394	112081	16.67	1.96
	(7+8)-III-3	206047	387730	4.33	20421	107846	5.81	1.78
	(7+8)-III-4	203476	445894	5.04	10617	109733	11.37	1.91
	(7+8)-IV-1	213634	331688	3.57	30625	107380	3.86	1.64

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-IV-2	205064	458971	5.15	2573	109064	46.62	2.02
	(7+8)-IV-3	211517	328422	3.57	31440	106618	3.73	1.63
	(7+8)-IV-4	202946	461990	5.24	1526	108333	78.07	2.04
	(7+8)-V-1	212253	386118	4.18	19991	109505	6.03	1.79
	(7+8)-V-2	207333	453274	5.03	7555	110751	16.13	1.96
	(7+8)-V-3	209248	391339	4.30	20459	109215	5.87	1.78
	(7+8)-V-4	204328	459316	5.17	8153	110520	14.91	1.95
	(7+8)-VI-1	216940	316012	3.35	35616	108090	3.34	1.58
	(7+8)-VI-2	200542	444918	5.10	5716	107224	20.63	1.98
	(7+8)-VI-3	216039	317303	3.38	35710	107984	3.33	1.58
	(7+8)-VI-4	199640	442864	5.10	5491	106674	21.37	1.98
	(7+8)-VII-1	211078	390572	4.26	18713	109210	6.42	1.80
	(7+8)-VII-2	208507	448414	4.95	8737	111028	13.98	1.94
	(7+8)-VII-3	208073	395877	4.38	19191	108925	6.24	1.80
	(7+8)-VII-4	205502	454368	5.09	9325	110791	13.07	1.93
	(7+8)-VIII-1	213026	329370	3.56	30982	107050	3.80	1.64
	(7+8)-VIII-2	204456	461489	5.19	2155	108970	55.63	2.03
	(7+8)-VIII-3	212125	330737	3.59	31087	106949	3.78	1.64
	(7+8)-VIII-4	203554	459469	5.19	1940	108427	61.47	2.03
9012	2	303218	444842	3.37	16390	143083	9.60	1.89
	3	272286	441194	3.73	16361	132790	8.93	1.88
	4	260938	430188	3.79	15689	127928	8.97	1.88
	(5+6)-I-1	200413	436009	5.00	16075	109488	7.49	1.84
	(5+6)-I-2	199381	467627	5.39	5436	108855	22.03	1.98
	(5+6)-I-3	202324	424501	4.83	19446	110013	6.22	1.79
	(5+6)-I-4	201292	456066	5.21	8638	109383	13.93	1.94
	(5+6)-II-1	202286	394425	4.48	30087	110298	4.03	1.65
	(5+6)-II-2	198846	463006	5.36	5580	108299	21.35	1.98
	(5+6)-II-3	202859	391639	4.44	31159	110520	3.90	1.64
	(5+6)-II-4	199419	465697	5.37	4678	108458	25.51	1.99
	(5+6)-III-1	200724	440348	5.05	15081	109695	8.00	1.85
	(5+6)-III-2	199070	463165	5.35	6426	108646	18.60	1.97
	(5+6)-III-3	202634	428791	4.87	18444	110220	6.57	1.81
	(5+6)-III-4	200981	451651	5.17	9637	109174	12.46	1.92
	(5+6)-IV-1	203322	401534	4.54	26750	110296	4.54	1.70
	(5+6)-IV-2	197810	470022	5.47	2283	107597	51.84	2.03
	(5+6)-IV-3	203895	398758	4.50	27813	110520	4.37	1.68
	(5+6)-IV-4	198383	472754	5.48	1372	107757	86.38	2.04
	(5+6)-V-1	202404	432551	4.92	17510	110225	6.92	1.82
	(5+6)-V-2	201372	467884	5.34	6744	109928	17.93	1.96
	(5+6)-V-3	200333	424517	4.87	17989	108940	6.66	1.81
	(5+6)-V-4	199301	455766	5.26	7309	108305	16.30	1.96
	(5+6)-VI-1	202883	391956	4.44	30566	110374	3.97	1.65
	(5+6)-VI-2	199443	465577	5.37	5229	108623	22.85	1.99
	(5+6)-VI-3	202262	392144	4.46	30679	110241	3.95	1.65
	(5+6)-VI-4	198821	463116	5.36	5030	108134	23.65	1.99
	(5+6)-VII-1	202715	434730	4.93	16507	110224	7.35	1.83
	(5+6)-VII-2	201061	463427	5.30	7744	109720	15.59	1.95
	(5+6)-VII-3	200643	428813	4.92	16995	109148	7.06	1.82
	(5+6)-VII-4	198990	451346	5.22	8298	108095	14.33	1.94
	(5+6)-VIII-1	203919	399068	4.50	27219	110374	4.46	1.69
	(5+6)-VIII-2	198407	472653	5.48	1923	107923	61.72	2.03
	(5+6)-VIII-3	203298	401229	4.54	27342	110442	4.44	1.69
	(5+6)-VIII-4	197786	470112	5.47	1734	107431	68.15	2.04
	(7+8)-I-1	181762	435032	5.50	15872	103453	7.17	1.83
	(7+8)-I-2	180730	467973	5.96	5361	102791	21.09	1.98
	(7+8)-I-3	183673	422872	5.30	19223	103966	5.95	1.78
	(7+8)-I-4	182641	455782	5.74	8529	103307	13.32	1.93
	(7+8)-II-1	183635	388437	4.87	29764	103961	3.84	1.63
	(7+8)-II-2	180195	462925	5.91	5497	102196	20.45	1.98

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-II-3	184208	385540	4.81	30835	104187	3.72	1.62
	(7+8)-II-4	180768	465711	5.93	4610	102352	24.42	1.99
	(7+8)-III-1	182073	439446	5.55	14892	103654	7.66	1.84
	(7+8)-III-2	180419	463243	5.91	6337	102571	17.81	1.96
	(7+8)-III-3	183983	427411	5.34	18235	104183	6.28	1.79
	(7+8)-III-4	182330	451104	5.69	9514	103088	11.92	1.92
	(7+8)-IV-1	184671	395625	4.93	26473	103926	4.32	1.68
	(7+8)-IV-2	179159	470030	6.03	2248	101458	49.64	2.03
	(7+8)-IV-3	185244	392740	4.88	27534	104153	4.16	1.67
	(7+8)-IV-4	179732	472862	6.05	1352	101614	82.69	2.04
	(7+8)-V-1	183753	428115	5.36	17307	103877	6.60	1.81
	(7+8)-V-2	182721	467857	5.89	6658	103849	17.16	1.96
	(7+8)-V-3	181682	422706	5.35	17764	102852	6.37	1.80
	(7+8)-V-4	180649	455241	5.80	7208	102187	15.59	1.95
	(7+8)-VI-1	184232	385786	4.82	30246	104025	3.78	1.63
	(7+8)-VI-2	180792	465684	5.92	5153	102533	21.89	1.98
	(7+8)-VI-3	183611	388198	4.86	30350	104124	3.77	1.63
	(7+8)-VI-4	180170	462938	5.91	4956	102015	22.64	1.99
	(7+8)-VII-1	184064	430321	5.38	16318	103866	7.00	1.82
	(7+8)-VII-2	182410	463738	5.85	7644	103687	14.92	1.95
	(7+8)-VII-3	181992	427253	5.40	16785	103071	6.75	1.81
	(7+8)-VII-4	180339	450557	5.75	8183	101966	13.71	1.94
	(7+8)-VIII-1	185268	392980	4.88	26945	103992	4.25	1.67
	(7+8)-VIII-2	179756	472859	6.05	1895	101797	59.10	2.03
	(7+8)-VIII-3	184647	395391	4.93	27060	104087	4.23	1.67
	(7+8)-VIII-4	179135	470020	6.03	1708	101275	65.24	2.03
9013	2	280662	449458	3.68	15171	135968	9.86	1.90
	3	242370	440036	4.18	14564	122623	9.26	1.89
	4	255821	444992	4.00	15381	127624	9.13	1.88
	(5+6)-I-1	170212	435676	5.89	13652	99138	7.99	1.85
	(5+6)-I-2	177508	471749	6.11	4840	101920	23.16	1.99
	(5+6)-I-3	197908	426574	4.96	19022	108703	6.29	1.79
	(5+6)-I-4	205204	461584	5.17	8806	111213	13.89	1.94
	(5+6)-II-1	171393	392348	5.27	25493	99247	4.28	1.68
	(5+6)-II-2	195714	470180	5.53	5492	107913	21.61	1.98
	(5+6)-II-3	179702	389207	4.98	27602	102142	4.07	1.66
	(5+6)-II-4	204023	472088	5.32	4786	110581	25.42	1.99
	(5+6)-III-1	169227	439223	5.97	12714	98849	8.55	1.86
	(5+6)-III-2	178492	468123	6.03	5762	102209	19.51	1.97
	(5+6)-III-3	196924	430264	5.03	17924	108410	6.65	1.81
	(5+6)-III-4	206188	458515	5.11	9887	111571	12.41	1.92
	(5+6)-IV-1	168113	404045	5.53	22118	98277	4.89	1.72
	(5+6)-IV-2	198994	482393	5.58	2297	109115	52.26	2.03
	(5+6)-IV-3	176422	401034	5.23	24066	101169	4.62	1.70
	(5+6)-IV-4	207303	484505	5.38	1434	111779	85.75	2.04
	(5+6)-V-1	168396	431861	5.90	14568	98511	7.44	1.83
	(5+6)-V-2	175692	467656	6.12	5884	101297	18.94	1.97
	(5+6)-V-3	199724	430575	4.96	17934	109322	6.71	1.81
	(5+6)-V-4	207020	465517	5.17	7592	111799	16.20	1.95
	(5+6)-VI-1	170848	391280	5.27	25739	99058	4.23	1.67
	(5+6)-VI-2	195169	471467	5.56	5117	107737	23.16	1.99
	(5+6)-VI-3	180247	390292	4.98	27340	102330	4.12	1.66
	(5+6)-VI-4	204568	470786	5.29	5176	110758	23.54	1.99
	(5+6)-VII-1	167411	435396	5.98	13632	98222	7.93	1.85
	(5+6)-VII-2	176676	464044	6.04	6804	101587	16.42	1.96
	(5+6)-VII-3	198740	434279	5.03	16834	109029	7.12	1.82
	(5+6)-VII-4	208004	462434	5.11	8674	112157	14.22	1.94
	(5+6)-VIII-1	167568	402965	5.53	22367	98088	4.82	1.72
	(5+6)-VIII-2	198449	483698	5.61	1924	108939	62.29	2.03
	(5+6)-VIII-3	176966	402133	5.23	23801	101357	4.68	1.71

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-VIII-4	207848	483183	5.35	1822	111955	67.58	2.03
	(7+8)-I-1	154119	433790	6.47	13458	93826	7.67	1.84
	(7+8)-I-2	161416	471511	6.72	4788	96643	22.20	1.98
	(7+8)-I-3	181816	423877	5.36	19029	103424	5.98	1.78
	(7+8)-I-4	189112	459314	5.59	8831	105819	13.18	1.93
	(7+8)-II-1	155301	388484	5.75	25171	93905	4.10	1.66
	(7+8)-II-2	179622	468311	6.00	5480	102501	20.58	1.98
	(7+8)-II-3	163610	385005	5.41	27387	96815	3.89	1.64
	(7+8)-II-4	187931	470279	5.76	4792	105166	24.14	1.99
	(7+8)-III-1	153135	437525	6.57	12525	93540	8.21	1.86
	(7+8)-III-2	162400	467693	6.62	5704	96929	18.69	1.97
	(7+8)-III-3	180832	427784	5.44	17922	103134	6.33	1.80
	(7+8)-III-4	190096	456096	5.52	9919	106180	11.78	1.92
	(7+8)-IV-1	152021	400827	6.06	21792	92947	4.69	1.71
	(7+8)-IV-2	182902	481165	6.05	2295	103714	49.70	2.03
	(7+8)-IV-3	160330	397505	5.70	23831	95853	4.42	1.69
	(7+8)-IV-4	191211	483373	5.81	1438	106375	81.37	2.04
	(7+8)-V-1	152303	429848	6.49	14345	93196	7.15	1.83
	(7+8)-V-2	159600	467247	6.73	5816	96019	18.16	1.97
	(7+8)-V-3	183632	428048	5.36	17955	104044	6.37	1.80
	(7+8)-V-4	190928	463438	5.58	7618	106404	15.36	1.95
	(7+8)-VI-1	154756	387387	5.76	25407	93715	4.06	1.66
	(7+8)-VI-2	179077	469661	6.03	5104	102325	22.05	1.98
	(7+8)-VI-3	164154	386122	5.41	27134	97004	3.93	1.64
	(7+8)-VI-4	188476	468911	5.72	5184	105342	22.35	1.98
	(7+8)-VII-1	151319	433569	6.59	13415	92910	7.62	1.84
	(7+8)-VII-2	160584	463444	6.64	6729	96304	15.74	1.95
	(7+8)-VII-3	182648	431969	5.44	16846	103754	6.78	1.81
	(7+8)-VII-4	191912	460203	5.52	8708	106765	13.49	1.93
	(7+8)-VIII-1	151476	399718	6.07	22030	92757	4.63	1.70
	(7+8)-VIII-2	182357	482535	6.09	1922	103539	59.26	2.03
	(7+8)-VIII-3	160874	398636	5.70	23576	96042	4.48	1.69
	(7+8)-VIII-4	191756	481984	5.78	1828	106551	64.12	2.03
9014	2	280015	448795	3.69	15136	135689	9.86	1.90
	3	232980	438152	4.33	13999	119282	9.37	1.89
	4	264559	444351	3.86	15907	130500	9.02	1.88
	(5+6)-I-1	195616	416072	4.89	15690	105927	7.43	1.84
	(5+6)-I-2	195968	460630	5.41	5343	107070	22.04	1.98
	(5+6)-I-3	178978	424004	5.45	17202	101949	6.52	1.80
	(5+6)-I-4	179330	444830	5.71	7696	100949	14.43	1.94
	(5+6)-II-1	189382	373022	4.53	28168	103585	4.05	1.66
	(5+6)-II-2	190555	462086	5.58	5348	105443	21.69	1.98
	(5+6)-II-3	184390	379287	4.73	28323	102773	3.99	1.65
	(5+6)-II-4	185563	455114	5.64	4353	102863	26.00	2.00
	(5+6)-III-1	196428	417558	4.89	14758	106042	7.90	1.85
	(5+6)-III-2	195155	459104	5.41	6300	106960	18.68	1.97
	(5+6)-III-3	179790	428853	5.49	16364	102398	6.88	1.82
	(5+6)-III-4	178517	439780	5.67	8560	100493	12.91	1.93
	(5+6)-IV-1	192089	377523	4.52	25272	103964	4.53	1.70
	(5+6)-IV-2	187847	466493	5.71	2168	103966	52.75	2.03
	(5+6)-IV-3	187098	383504	4.71	25522	103125	4.44	1.69
	(5+6)-IV-4	182856	458940	5.77	1265	101357	88.15	2.04
	(5+6)-V-1	194829	408709	4.82	16855	105321	6.87	1.82
	(5+6)-V-2	195181	452929	5.34	6537	106469	17.92	1.97
	(5+6)-V-3	179764	424012	5.43	16142	101848	6.94	1.82
	(5+6)-V-4	180116	444820	5.68	6605	100853	16.80	1.96
	(5+6)-VI-1	189146	370912	4.51	28496	103400	3.99	1.65
	(5+6)-VI-2	190319	464398	5.61	4990	105466	23.25	1.99
	(5+6)-VI-3	184626	381416	4.75	28004	102959	4.04	1.66
	(5+6)-VI-4	185799	452812	5.61	4701	102837	24.06	1.99

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-VII-1	195641	410176	4.82	15931	105438	7.28	1.83
	(5+6)-VII-2	194369	451423	5.34	7486	106358	15.63	1.95
	(5+6)-VII-3	180576	428886	5.46	15296	102298	7.36	1.83
	(5+6)-VII-4	179304	439746	5.64	7477	100397	14.77	1.95
	(5+6)-VIII-1	191853	375396	4.50	25609	103779	4.46	1.69
	(5+6)-VIII-2	187611	468824	5.75	1819	103991	62.90	2.03
	(5+6)-VIII-3	187334	385651	4.73	25195	103311	4.51	1.70
	(5+6)-VIII-4	183092	456621	5.74	1605	101331	69.44	2.04
	(7+8)-I-1	179682	412062	5.27	15690	100518	7.05	1.82
	(7+8)-I-2	180034	459226	5.87	5340	101752	20.96	1.98
	(7+8)-I-3	163044	419950	5.92	17064	96543	6.22	1.79
	(7+8)-I-4	163396	441008	6.21	7630	95434	13.76	1.94
	(7+8)-II-1	173448	366962	4.87	28112	98146	3.84	1.64
	(7+8)-II-2	174621	459515	6.05	5327	100015	20.65	1.98
	(7+8)-II-3	168456	373989	5.11	28198	97408	3.80	1.63
	(7+8)-II-4	169629	451712	6.12	4326	97343	24.75	1.99
	(7+8)-III-1	180494	413552	5.27	14763	100621	7.50	1.84
	(7+8)-III-2	179221	457693	5.87	6295	101656	17.76	1.96
	(7+8)-III-3	163856	425094	5.97	16240	97011	6.57	1.81
	(7+8)-III-4	162583	435633	6.16	8483	94959	12.31	1.92
	(7+8)-IV-1	176155	371404	4.85	25252	98480	4.29	1.68
	(7+8)-IV-2	171913	463803	6.21	2157	98482	50.21	2.03
	(7+8)-IV-3	171164	378078	5.08	25442	97711	4.22	1.67
	(7+8)-IV-4	166922	455312	6.27	1255	95775	83.92	2.04
	(7+8)-V-1	178895	404215	5.20	16850	99881	6.52	1.81
	(7+8)-V-2	179247	451003	5.79	6531	101121	17.03	1.96
	(7+8)-V-3	163830	419745	5.89	16019	96407	6.62	1.81
	(7+8)-V-4	164182	440793	6.17	6551	95305	16.00	1.96
	(7+8)-VI-1	173212	364718	4.84	28437	97951	3.79	1.63
	(7+8)-VI-2	174385	461981	6.09	4971	100048	22.14	1.98
	(7+8)-VI-3	168692	376255	5.13	27884	97605	3.85	1.64
	(7+8)-VI-4	169865	449258	6.08	4672	97308	22.91	1.99
	(7+8)-VII-1	179708	405684	5.19	15932	99985	6.90	1.82
	(7+8)-VII-2	178435	449494	5.79	7477	101024	14.86	1.95
	(7+8)-VII-3	164642	424918	5.94	15185	96876	7.02	1.82
	(7+8)-VII-4	163370	435389	6.13	7413	94829	14.07	1.94
	(7+8)-VIII-1	175919	369140	4.83	25586	98286	4.23	1.67
	(7+8)-VIII-2	171677	466289	6.25	1809	98516	59.89	2.03
	(7+8)-VIII-3	171400	380365	5.10	25119	97907	4.29	1.68
	(7+8)-VIII-4	167158	452839	6.23	1593	95740	66.09	2.04
9015	2	278937	449349	3.71	15078	135380	9.88	1.90
	3	233687	443112	4.36	14042	119992	9.40	1.89
	4	264121	434967	3.79	15881	129455	8.97	1.88
	(5+6)-I-1	175430	429945	5.64	14071	100375	7.85	1.85
	(5+6)-I-2	180563	460008	5.86	4923	101863	22.76	1.99
	(5+6)-I-3	193838	425191	5.05	18630	107171	6.33	1.80
	(5+6)-I-4	198971	461383	5.33	8539	109099	14.05	1.94
	(5+6)-II-1	175884	397441	5.20	26161	101347	4.26	1.67
	(5+6)-II-2	192994	462289	5.51	5416	106277	21.58	1.98
	(5+6)-II-3	181407	394295	5.00	27864	103263	4.08	1.66
	(5+6)-II-4	198517	469796	5.44	4656	108533	25.64	1.99
	(5+6)-III-1	175075	432250	5.68	13154	100181	8.38	1.86
	(5+6)-III-2	180919	457641	5.82	5840	102055	19.22	1.97
	(5+6)-III-3	193482	429126	5.10	17611	107121	6.69	1.81
	(5+6)-III-4	199326	457345	5.28	9558	109152	12.56	1.92
	(5+6)-IV-1	174699	405248	5.34	22984	100703	4.82	1.72
	(5+6)-IV-2	194180	475626	5.63	2241	106900	52.47	2.03
	(5+6)-IV-3	180221	405895	5.18	24584	102988	4.61	1.70
	(5+6)-IV-4	199702	483287	5.57	1381	109148	86.92	2.04
	(5+6)-V-1	174651	423874	5.58	15109	99889	7.27	1.83

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-V-2	179784	453714	5.80	6021	101382	18.52	1.97
	(5+6)-V-3	194617	427032	5.05	17475	107230	6.75	1.81
	(5+6)-V-4	199750	463378	5.34	7325	109162	16.39	1.96
	(5+6)-VI-1	175651	395710	5.18	26463	101203	4.21	1.67
	(5+6)-VI-2	192761	462825	5.52	5054	106138	23.10	1.99
	(5+6)-VI-3	181640	394753	5.00	27551	103276	4.12	1.66
	(5+6)-VI-4	198750	469212	5.43	5029	108670	23.77	1.99
	(5+6)-VII-1	174296	426154	5.62	14193	99694	7.73	1.84
	(5+6)-VII-2	180140	451373	5.76	6938	101576	16.10	1.96
	(5+6)-VII-3	194261	430967	5.10	16455	107179	7.16	1.83
	(5+6)-VII-4	200105	459339	5.28	8345	109215	14.40	1.94
	(5+6)-VIII-1	174465	403491	5.32	23288	100558	4.75	1.71
	(5+6)-VIII-2	193946	476178	5.65	1880	106762	62.46	2.03
	(5+6)-VIII-3	180455	407580	5.19	24270	103124	4.67	1.71
	(5+6)-VIII-4	199936	482686	5.55	1753	109284	68.58	2.03
	(7+8)-I-1	158896	426937	6.18	13875	94815	7.52	1.84
	(7+8)-I-2	164029	458075	6.42	4866	96284	21.77	1.98
	(7+8)-I-3	177303	421612	5.47	18557	101643	6.03	1.78
	(7+8)-I-4	182436	459580	5.79	8519	103593	13.38	1.93
	(7+8)-II-1	159350	393622	5.68	25828	95873	4.08	1.66
	(7+8)-II-2	176460	460636	6.00	5383	100734	20.58	1.98
	(7+8)-II-3	164872	389741	5.44	27598	97751	3.90	1.64
	(7+8)-II-4	181982	468692	5.92	4641	103032	24.42	1.99
	(7+8)-III-1	158540	429288	6.23	12968	94612	8.03	1.85
	(7+8)-III-2	164384	455655	6.38	5773	96484	18.38	1.97
	(7+8)-III-3	176948	425766	5.53	17537	101598	6.37	1.80
	(7+8)-III-4	182792	455315	5.73	9538	103640	11.95	1.92
	(7+8)-IV-1	158165	401620	5.84	22673	95202	4.62	1.70
	(7+8)-IV-2	177645	474709	6.15	2229	101379	50.02	2.03
	(7+8)-IV-3	163687	402395	5.65	24330	97535	4.41	1.69
	(7+8)-IV-4	183168	482939	6.06	1378	103666	82.78	2.04
	(7+8)-V-1	158117	420485	6.12	14893	94305	6.97	1.82
	(7+8)-V-2	163250	451374	6.36	5949	95781	17.71	1.97
	(7+8)-V-3	178082	423433	5.47	17412	101683	6.42	1.80
	(7+8)-V-4	183215	461582	5.79	7311	103639	15.59	1.95
	(7+8)-VI-1	159116	391789	5.66	26123	95721	4.03	1.65
	(7+8)-VI-2	176226	461164	6.02	5023	100589	22.03	1.98
	(7+8)-VI-3	165106	390175	5.44	27291	97757	3.94	1.64
	(7+8)-VI-4	182216	468106	5.91	5012	103174	22.64	1.98
	(7+8)-VII-1	157761	422806	6.16	13986	94101	7.40	1.83
	(7+8)-VII-2	163606	448984	6.31	6856	95982	15.40	1.95
	(7+8)-VII-3	177727	427587	5.53	16392	101638	6.82	1.82
	(7+8)-VII-4	183571	457316	5.73	8330	103686	13.69	1.94
	(7+8)-VIII-1	157931	399757	5.82	22969	95050	4.55	1.70
	(7+8)-VIII-2	177412	475255	6.16	1870	101235	59.56	2.03
	(7+8)-VIII-3	163921	403708	5.66	24022	97630	4.47	1.69
	(7+8)-VIII-4	183401	482335	6.05	1748	103808	65.32	2.03
9016	2	280446	450459	3.69	15160	135991	9.87	1.90
	3	239991	438179	4.20	14421	121646	9.28	1.89
	4	262489	433044	3.79	15782	128723	8.97	1.88
	(5+6)-I-1	201530	434129	4.95	16164	109686	7.46	1.84
	(5+6)-I-2	200016	464915	5.35	5454	108818	21.95	1.98
	(5+6)-I-3	177612	428860	5.55	17071	101951	6.57	1.81
	(5+6)-I-4	176098	452340	5.91	7557	100560	14.64	1.94
	(5+6)-II-1	194925	378879	4.47	28993	106125	4.03	1.65
	(5+6)-II-2	189878	447472	5.42	5329	103870	21.44	1.98
	(5+6)-II-3	187749	377324	4.62	28839	103749	3.96	1.65
	(5+6)-II-4	182703	448859	5.65	4286	101334	26.01	2.00
	(5+6)-III-1	202372	437287	4.97	15205	109961	7.96	1.85
	(5+6)-III-2	199175	461540	5.33	6430	108531	18.57	1.97

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-III-3	178453	431803	5.57	16243	102225	6.92	1.82
	(5+6)-III-4	175256	449160	5.89	8403	100270	13.13	1.93
	(5+6)-IV-1	197730	388763	4.52	26015	107061	4.53	1.70
	(5+6)-IV-2	187073	457441	5.62	2159	102887	52.41	2.03
	(5+6)-IV-3	190555	387014	4.67	25994	104685	4.43	1.69
	(5+6)-IV-4	179898	458617	5.86	1244	100346	88.70	2.04
	(5+6)-V-1	202334	427109	4.86	17504	109672	6.89	1.82
	(5+6)-V-2	200820	463867	5.31	6726	109371	17.89	1.96
	(5+6)-V-3	176808	434362	5.65	15876	101834	7.06	1.82
	(5+6)-V-4	175294	452692	5.94	6428	99963	17.11	1.96
	(5+6)-VI-1	195166	376869	4.44	29403	106119	3.97	1.65
	(5+6)-VI-2	190120	449644	5.44	4985	104043	22.96	1.99
	(5+6)-VI-3	187508	379356	4.65	28441	103758	4.01	1.65
	(5+6)-VI-4	182462	446658	5.63	4617	101157	24.10	1.99
	(5+6)-VII-1	203176	430254	4.87	16545	109948	7.31	1.83
	(5+6)-VII-2	199979	460504	5.30	7702	109085	15.58	1.95
	(5+6)-VII-3	177649	437439	5.66	15048	102119	7.46	1.84
	(5+6)-VII-4	174452	449496	5.93	7275	99672	15.07	1.95
	(5+6)-VIII-1	197971	386741	4.49	26425	107056	4.46	1.69
	(5+6)-VIII-2	187314	459658	5.64	1816	103061	62.43	2.03
	(5+6)-VIII-3	190313	389058	4.70	25596	104693	4.50	1.70
	(5+6)-VIII-4	179656	456370	5.84	1575	100168	69.96	2.04
	(7+8)-I-1	184651	430892	5.37	16124	104043	7.10	1.82
	(7+8)-I-2	183137	463456	5.82	5432	103181	20.89	1.98
	(7+8)-I-3	160732	425876	6.09	16822	96318	6.30	1.80
	(7+8)-I-4	159218	450207	6.50	7435	94880	14.04	1.94
	(7+8)-II-1	178046	372572	4.81	28858	100349	3.83	1.63
	(7+8)-II-2	172999	444366	5.91	5278	98075	20.44	1.98
	(7+8)-II-3	170870	371082	4.99	28602	97965	3.77	1.63
	(7+8)-II-4	165824	445646	6.18	4229	95513	24.85	1.99
	(7+8)-III-1	185493	434189	5.38	15172	104318	7.56	1.84
	(7+8)-III-2	182295	459916	5.80	6403	102893	17.68	1.96
	(7+8)-III-3	161574	428916	6.11	16014	96591	6.63	1.81
	(7+8)-III-4	158377	446898	6.49	8264	94588	12.59	1.93
	(7+8)-IV-1	180851	382846	4.87	25925	101288	4.30	1.68
	(7+8)-IV-2	170194	454697	6.14	2136	97083	50.00	2.03
	(7+8)-IV-3	173675	381127	5.05	25815	98905	4.21	1.67
	(7+8)-IV-4	163018	455715	6.43	1226	94516	84.80	2.04
	(7+8)-V-1	185455	423406	5.25	17467	104003	6.55	1.81
	(7+8)-V-2	183941	462487	5.78	6702	103761	17.03	1.96
	(7+8)-V-3	159928	432208	6.22	15637	96264	6.77	1.81
	(7+8)-V-4	158414	450336	6.54	6321	94247	16.40	1.96
	(7+8)-VI-1	178287	370432	4.78	29270	100335	3.77	1.63
	(7+8)-VI-2	173240	446687	5.93	4938	98257	21.89	1.98
	(7+8)-VI-3	170629	373251	5.03	28204	97982	3.82	1.63
	(7+8)-VI-4	165582	443290	6.16	4555	95326	23.02	1.99
	(7+8)-VII-1	186297	426691	5.27	16516	104279	6.95	1.82
	(7+8)-VII-2	183099	458962	5.77	7672	103475	14.84	1.95
	(7+8)-VII-3	160770	435394	6.23	14828	96550	7.16	1.83
	(7+8)-VII-4	157573	447008	6.52	7150	93954	14.45	1.94
	(7+8)-VIII-1	181092	380693	4.84	26338	101276	4.23	1.67
	(7+8)-VIII-2	170435	457070	6.17	1796	97267	59.56	2.03
	(7+8)-VIII-3	173434	383307	5.08	25417	98921	4.28	1.68
	(7+8)-VIII-4	162777	453307	6.41	1552	94327	66.87	2.04
9017	2	95260	132714	3.20	3394	43296	14.03	2.05
	3	103821	130210	2.88	4112	45992	12.30	2.03
	4	70013	128587	4.22	2775	34566	13.70	2.05
	(5+6)-I-1	53226	126474	5.47	1918	28732	16.48	2.07
	(5+6)-I-2	54569	126833	5.35	2397	29342	13.46	2.04
	(5+6)-I-3	76224	112987	3.41	9597	36765	4.21	1.78

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(5+6)-I-4	77567	113618	3.37	9051	37110	4.51	1.81
	(5+6)-II-1	59708	130046	5.01	1819	31141	18.83	2.08
	(5+6)-II-2	64185	139885	5.01	168	33053	>100	2.15
	(5+6)-II-3	66608	123947	4.28	5297	33735	7.01	1.93
	(5+6)-II-4	71084	127836	4.14	3579	35088	10.78	2.01
	(5+6)-III-1	53349	125258	5.40	2203	28743	14.35	2.05
	(5+6)-III-2	54446	128056	5.41	2108	29331	15.31	2.06
	(5+6)-III-3	76347	114183	3.44	9205	36828	4.40	1.79
	(5+6)-III-4	77444	112431	3.34	9446	37047	4.31	1.79
	(5+6)-IV-1	60118	132289	5.06	763	31187	44.94	2.13
	(5+6)-IV-2	63775	135612	4.89	1271	32830	28.41	2.10
	(5+6)-IV-3	67017	126393	4.34	4133	33789	8.99	1.98
	(5+6)-IV-4	70675	123723	4.03	4787	34872	8.01	1.96
	(5+6)-V-1	57468	127110	5.09	1374	30015	24.03	2.10
	(5+6)-V-2	58811	127354	4.98	1876	30616	17.95	2.08
	(5+6)-V-3	71981	114134	3.65	8183	35207	4.73	1.82
	(5+6)-V-4	73324	114674	3.60	7667	35549	5.10	1.85
	(5+6)-VI-1	60981	128906	4.86	2083	31523	16.65	2.07
	(5+6)-VI-2	65457	138908	4.88	406	33449	90.61	2.14
	(5+6)-VI-3	65335	125171	4.41	4955	33357	7.41	1.94
	(5+6)-VI-4	69811	128076	4.22	3264	34619	11.67	2.02
	(5+6)-VII-1	57591	125892	5.03	1680	30028	19.66	2.09
	(5+6)-VII-2	58688	128578	5.04	1566	30602	21.50	2.09
	(5+6)-VII-3	72104	115330	3.68	7813	35271	4.97	1.84
	(5+6)-VII-4	73202	113486	3.57	8041	35484	4.85	1.83
	(5+6)-VIII-1	61390	131185	4.91	1005	31571	34.54	2.12
	(5+6)-VIII-2	65048	135418	4.79	1530	33299	23.94	2.09
	(5+6)-VIII-3	65744	127588	4.46	3812	33409	9.64	1.99
	(5+6)-VIII-4	69402	123962	4.11	4451	34402	8.50	1.97
	(7+8)-I-1	49031	125479	5.89	1924	27282	15.60	2.06
	(7+8)-I-2	50374	125927	5.75	2407	27908	12.75	2.04
	(7+8)-I-3	72029	111227	3.55	9875	35362	3.94	1.75
	(7+8)-I-4	73372	111916	3.51	9316	35701	4.22	1.78
	(7+8)-II-1	55513	129339	5.36	1843	29718	17.73	2.07
	(7+8)-II-2	59990	139861	5.36	171	31665	>100	2.15
	(7+8)-II-3	62412	122890	4.53	5409	32337	6.58	1.91
	(7+8)-II-4	66889	127051	4.37	3661	33685	10.12	2.00
	(7+8)-III-1	49153	124193	5.81	2210	27291	13.59	2.05
	(7+8)-III-2	50251	127221	5.82	2117	27899	14.50	2.05
	(7+8)-III-3	72151	112494	3.59	9473	35426	4.11	1.77
	(7+8)-III-4	73249	110658	3.47	9722	35637	4.03	1.76
	(7+8)-IV-1	55923	131697	5.42	774	29758	42.31	2.13
	(7+8)-IV-2	59580	135322	5.22	1291	31436	26.78	2.10
	(7+8)-IV-3	62822	125483	4.59	4222	32385	8.44	1.97
	(7+8)-IV-4	66480	122686	4.24	4896	33464	7.52	1.95
	(7+8)-V-1	53273	126144	5.45	1387	28560	22.66	2.10
	(7+8)-V-2	54616	126455	5.33	1896	29175	16.93	2.07
	(7+8)-V-3	67786	112488	3.82	8391	33793	4.43	1.80
	(7+8)-V-4	69129	113074	3.76	7865	34129	4.77	1.83
	(7+8)-VI-1	56786	128129	5.19	2114	30098	15.66	2.06
	(7+8)-VI-2	61262	138793	5.21	413	32057	85.35	2.14
	(7+8)-VI-3	61140	124200	4.67	5053	31962	6.96	1.92
	(7+8)-VI-4	65616	127309	4.46	3335	33213	10.95	2.01
	(7+8)-VII-1	53396	124856	5.38	1696	28572	18.53	2.08
	(7+8)-VII-2	54493	127750	5.39	1582	29163	20.28	2.09
	(7+8)-VII-3	67909	113755	3.85	8012	33859	4.65	1.82
	(7+8)-VII-4	69006	111816	3.73	8248	34063	4.54	1.81
	(7+8)-VIII-1	57195	130530	5.25	1021	30140	32.49	2.12
	(7+8)-VIII-2	60853	135118	5.11	1556	31909	22.56	2.09
	(7+8)-VIII-3	61549	126758	4.74	3889	32008	9.05	1.98

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-VIII-4	65207	122944	4.34	4547	32990	7.98	1.96
9018	2	80623	128025	3.65	2872	37982	14.55	2.06
	3	77831	128767	3.81	3082	37194	13.27	2.05
	4	69170	126373	4.20	2741	34078	13.68	2.05
	(5+6)-I-1	50399	128674	5.87	1816	27989	16.95	2.07
	(5+6)-I-2	49614	124440	5.77	2179	27453	13.86	2.05
	(5+6)-I-3	59457	115305	4.46	7486	31259	4.59	1.81
	(5+6)-I-4	58672	114713	4.50	6846	30770	4.94	1.84
	(5+6)-II-1	54485	133752	5.65	1660	29738	19.70	2.08
	(5+6)-II-2	51868	129224	5.73	136	28013	>100	2.17
	(5+6)-II-3	57203	125571	5.05	4549	30704	7.42	1.94
	(5+6)-II-4	54586	122290	5.15	2748	29024	11.62	2.03
	(5+6)-III-1	50302	127975	5.85	2077	27973	14.81	2.05
	(5+6)-III-2	49712	125116	5.79	1925	27469	15.70	2.06
	(5+6)-III-3	59360	116380	4.51	7157	31241	4.80	1.82
	(5+6)-III-4	58769	113661	4.45	7168	30787	4.72	1.82
	(5+6)-IV-1	54161	137530	5.84	688	29685	47.48	2.13
	(5+6)-IV-2	52193	125749	5.54	1040	28070	29.68	2.12
	(5+6)-IV-3	56878	129257	5.23	3508	30643	9.61	1.99
	(5+6)-IV-4	54910	118838	4.98	3719	29083	8.60	1.98
	(5+6)-V-1	53985	135528	5.77	1291	29627	25.25	2.09
	(5+6)-V-2	53200	131428	5.68	1697	29116	18.87	2.08
	(5+6)-V-3	55872	113686	4.68	6351	29654	5.14	1.85
	(5+6)-V-4	55087	112768	4.71	5760	29144	5.57	1.88
	(5+6)-VI-1	55561	134205	5.56	1898	30201	17.51	2.06
	(5+6)-VI-2	52944	130241	5.66	328	28516	95.50	2.15
	(5+6)-VI-3	56127	125062	5.12	4256	30226	7.81	1.95
	(5+6)-VI-4	53510	121426	5.22	2502	28525	12.54	2.04
	(5+6)-VII-1	53887	134772	5.75	1572	29611	20.72	2.08
	(5+6)-VII-2	53297	132161	5.70	1422	29133	22.54	2.09
	(5+6)-VII-3	55774	114729	4.73	6043	29636	5.39	1.87
	(5+6)-VII-4	55184	111750	4.66	6062	29161	5.29	1.86
	(5+6)-VIII-1	55237	136841	5.70	905	30040	36.53	2.12
	(5+6)-VIII-2	53268	126725	5.47	1253	28573	25.09	2.10
	(5+6)-VIII-3	55803	128767	5.31	3236	30171	10.26	2.00
	(5+6)-VIII-4	53835	118012	5.04	3453	28583	9.11	1.99
	(7+8)-I-1	46791	128456	6.31	1836	26806	16.06	2.06
	(7+8)-I-2	46006	123937	6.20	2199	26249	13.13	2.04
	(7+8)-I-3	55849	114198	4.70	7657	30092	4.32	1.79
	(7+8)-I-4	55064	113599	4.74	6991	29588	4.66	1.82
	(7+8)-II-1	50878	133842	6.05	1689	28583	18.61	2.07
	(7+8)-II-2	48261	128936	6.14	137	26795	>100	2.17
	(7+8)-II-3	53595	125119	5.37	4645	29551	7.00	1.93
	(7+8)-II-4	50978	121637	5.49	2790	27816	10.97	2.02
	(7+8)-III-1	46694	127724	6.29	2099	26792	14.04	2.05
	(7+8)-III-2	46104	124644	6.22	1942	26264	14.88	2.06
	(7+8)-III-3	55752	115341	4.76	7319	30075	4.52	1.80
	(7+8)-III-4	55161	112484	4.69	7322	29605	4.45	1.80
	(7+8)-IV-1	50553	137862	6.27	699	28534	44.88	2.12
	(7+8)-IV-2	48585	125261	5.93	1053	26849	28.05	2.11
	(7+8)-IV-3	53270	128107	5.53	3580	29404	9.04	1.98
	(7+8)-IV-4	51302	117982	5.29	3778	27871	8.11	1.97
	(7+8)-V-1	50377	135743	6.20	1311	28476	23.89	2.09
	(7+8)-V-2	49592	131380	6.09	1721	27948	17.86	2.07
	(7+8)-V-3	52264	112534	4.95	6469	28460	4.84	1.83
	(7+8)-V-4	51479	111565	4.98	5857	27932	5.25	1.86
	(7+8)-VI-1	51953	133333	5.90	1934	28961	16.47	2.06
	(7+8)-VI-2	49336	130043	6.06	333	27310	90.29	2.15
	(7+8)-VI-3	52519	124593	5.46	4340	29066	7.37	1.94
	(7+8)-VI-4	49902	120706	5.56	2537	27306	11.84	2.03

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-VII-1	50279	134944	6.17	1597	28461	19.61	2.07
	(7+8)-VII-2	49689	132152	6.12	1442	27963	21.33	2.09
	(7+8)-VII-3	52166	113640	5.01	6155	28444	5.08	1.85
	(7+8)-VII-4	51576	110487	4.93	6165	27949	4.99	1.85
	(7+8)-VIII-1	51629	136111	6.06	921	28796	34.39	2.11
	(7+8)-VIII-2	49661	126321	5.85	1270	27363	23.70	2.10
	(7+8)-VIII-3	52195	128534	5.66	3298	29014	9.68	1.99
	(7+8)-VIII-4	50227	117095	5.36	3502	27361	8.59	1.98
9019	2	208945	392896	4.32	11295	106531	10.38	1.91
	3	199181	377892	4.36	11968	102164	9.39	1.89
	4	175329	390344	5.12	10542	95298	9.94	1.90
	(5+6)-I-1	129683	388219	6.89	10402	80688	8.53	1.87
	(5+6)-I-2	127403	416369	7.52	3474	80048	25.35	2.00
	(5+6)-I-3	155938	365762	5.39	14988	88350	6.48	1.81
	(5+6)-I-4	153657	393016	5.88	6594	87479	14.59	1.95
	(5+6)-II-1	141533	351449	5.71	21051	84562	4.42	1.69
	(5+6)-II-2	133931	409632	7.03	3759	81659	23.90	1.99
	(5+6)-II-3	149409	343145	5.28	22949	86753	4.16	1.67
	(5+6)-II-4	141807	407160	6.60	3326	83849	27.73	2.00
	(5+6)-III-1	129468	390725	6.94	9727	80612	9.12	1.88
	(5+6)-III-2	127618	413854	7.46	4120	80125	21.39	1.99
	(5+6)-III-3	155722	368485	5.44	14174	88281	6.85	1.82
	(5+6)-III-4	153872	390272	5.83	7378	87549	13.05	1.94
	(5+6)-IV-1	140815	360275	5.88	18526	84338	5.01	1.74
	(5+6)-IV-2	134649	418081	7.14	1554	81884	57.96	2.04
	(5+6)-IV-3	148691	352046	5.45	20283	86526	4.69	1.71
	(5+6)-IV-4	142525	415845	6.71	986	84077	93.81	2.05
	(5+6)-V-1	131612	386554	6.76	11386	81495	7.87	1.85
	(5+6)-V-2	129332	412388	7.33	4332	80623	20.47	1.98
	(5+6)-V-3	154008	370930	5.54	13829	87867	6.99	1.83
	(5+6)-V-4	151728	398177	6.04	5564	86998	17.20	1.97
	(5+6)-VI-1	142112	349823	5.66	21410	84699	4.35	1.69
	(5+6)-VI-2	134510	409949	7.01	3527	81794	25.51	2.00
	(5+6)-VI-3	148831	344730	5.33	22575	86612	4.22	1.68
	(5+6)-VI-4	141229	406772	6.62	3573	83709	25.77	2.00
	(5+6)-VII-1	131397	389181	6.81	10700	81428	8.37	1.86
	(5+6)-VII-2	129547	409758	7.27	4989	80690	17.79	1.97
	(5+6)-VII-3	153793	373658	5.59	13027	87799	7.41	1.84
	(5+6)-VII-4	151943	395431	5.99	6336	87066	15.12	1.95
	(5+6)-VIII-1	141394	358646	5.83	18873	84475	4.92	1.73
	(5+6)-VIII-2	135228	418425	7.12	1311	82020	68.83	2.04
	(5+6)-VIII-3	148113	353636	5.49	19920	86386	4.77	1.72
	(5+6)-VIII-4	141947	415430	6.73	1244	83937	74.19	2.04
	(7+8)-I-1	118640	386087	7.48	10360	76995	8.18	1.86
	(7+8)-I-2	116359	415484	8.21	3452	76366	24.34	2.00
	(7+8)-I-3	144894	362210	5.75	15165	84621	6.14	1.80
	(7+8)-I-4	142614	390860	6.30	6660	83741	13.83	1.94
	(7+8)-II-1	130490	347774	6.13	21150	80908	4.21	1.68
	(7+8)-II-2	122888	408609	7.65	3749	77970	22.88	1.99
	(7+8)-II-3	138366	338712	5.63	23161	83066	3.95	1.65
	(7+8)-II-4	130764	405820	7.14	3335	80127	26.43	2.00
	(7+8)-III-1	118425	388696	7.55	9686	76918	8.73	1.87
	(7+8)-III-2	116575	412869	8.15	4094	76442	20.54	1.98
	(7+8)-III-3	144679	365076	5.80	14339	84552	6.49	1.81
	(7+8)-III-4	142829	387974	6.25	7453	83810	12.37	1.93
	(7+8)-IV-1	129772	357035	6.33	18603	80685	4.77	1.72
	(7+8)-IV-2	123606	417415	7.77	1551	78194	55.45	2.03
	(7+8)-IV-3	137648	348065	5.82	20460	82840	4.45	1.70
	(7+8)-IV-4	131482	414908	7.26	989	80355	89.38	2.05
	(7+8)-V-1	120569	384795	7.34	11356	77855	7.54	1.84

Elm.	Cmb	V [kg]	Vd [kg]	CsV (>2.30)	H [kg]	Hd [kg]	CsH (>1.10)	Qd [kg/cmq]
	(7+8)-V-2	118289	411763	8.01	4310	76978	19.65	1.98
	(7+8)-V-3	142965	367703	5.92	13978	84150	6.62	1.81
	(7+8)-V-4	140685	396332	6.48	5614	83270	16.32	1.96
	(7+8)-VI-1	131068	346036	6.07	21518	81040	4.14	1.67
	(7+8)-VI-2	123467	408909	7.62	3519	78101	24.41	2.00
	(7+8)-VI-3	137787	340404	5.68	22776	82929	4.01	1.66
	(7+8)-VI-4	130185	405435	7.16	3581	79991	24.57	2.00
	(7+8)-VII-1	120354	387433	7.40	10670	77779	8.02	1.86
	(7+8)-VII-2	118504	409017	7.94	4966	77045	17.07	1.97
	(7+8)-VII-3	142750	370573	5.97	13166	84081	7.02	1.83
	(7+8)-VII-4	140900	393445	6.42	6394	83339	14.34	1.95
	(7+8)-VIII-1	130351	355294	6.27	18958	80817	4.69	1.71
	(7+8)-VIII-2	124184	417748	7.74	1309	78325	65.83	2.04
	(7+8)-VIII-3	137069	349762	5.87	20087	82703	4.53	1.70
	(7+8)-VIII-4	130903	414492	7.28	1248	80219	70.72	2.04
	Minimi coeff. sic.							
9010	3			2.68				
9011	(7+8)-II-3						3.28	

Verifica a scorrimento globale delle fondazione

Comb. = Combinazione di verifica
N[kg] = Sforzo normale
Hd[kg] = Azione orizzontale depurata dalle azioni assorbite da pali e plinti su pali
R[kg] = Resistenza allo scorrimento R=Area*c+N*tan(fi)
CS = R/Hd
CSd = Coefficiente di sicurezza di progetto

Area delle strutture di fondazione a contatto con il terreno **A=322.6560 m^2**

Comb.	N	Hd	R	CS.	CSd	ver
	kg	kg	kg			
2	3872379	250699	2054743	8.20	1.10	Si
3	3483563	250699	1913225	7.63	1.10	Si
4	3481384	250699	1912432	7.63	1.10	Si
(5+6)-I-1	2610374	229534	1595410	6.95	1.10	Si
(5+6)-I-2	2631609	136059	1603139	11.78	1.10	Si
(5+6)-I-3	2604023	412467	1593099	3.86	1.10	Si
(5+6)-I-4	2625258	326386	1600828	4.90	1.10	Si
(5+6)-II-1	2583377	392226	1585584	4.04	1.10	Si
(5+6)-II-2	2654160	74809	1611347	21.54	1.10	Si
(5+6)-II-3	2581472	446513	1584891	3.55	1.10	Si
(5+6)-II-4	2652255	147315	1610654	10.93	1.10	Si
(5+6)-III-1	2611444	223884	1595800	7.13	1.10	Si
(5+6)-III-2	2630539	132600	1602750	12.09	1.10	Si
(5+6)-III-3	2605093	393545	1593488	4.05	1.10	Si
(5+6)-III-4	2624188	343931	1600438	4.65	1.10	Si
(5+6)-IV-1	2586944	341936	1586883	4.64	1.10	Si
(5+6)-IV-2	2650593	61046	1610049	26.37	1.10	Si
(5+6)-IV-3	2585039	386992	1586189	4.10	1.10	Si
(5+6)-IV-4	2648687	180338	1609355	8.92	1.10	Si
(5+6)-V-1	2609134	234177	1594959	6.81	1.10	Si
(5+6)-V-2	2630369	121663	1602688	13.17	1.10	Si
(5+6)-V-3	2605262	377411	1593550	4.22	1.10	Si
(5+6)-V-4	2626497	291034	1601279	5.50	1.10	Si
(5+6)-VI-1	2583005	399024	1585449	3.97	1.10	Si
(5+6)-VI-2	2653788	71502	1611212	22.53	1.10	Si
(5+6)-VI-3	2581844	437831	1585026	3.62	1.10	Si
(5+6)-VI-4	2652627	141021	1610789	11.42	1.10	Si
(5+6)-VII-1	2610205	225775	1595349	7.07	1.10	Si
(5+6)-VII-2	2629299	123187	1602299	13.01	1.10	Si

Comb.	N	Hd	R	CS.	CSd	ver
(5+6)-VII-3	2606333	358455	1593939	4.45	1.10	Si
(5+6)-VII-4	2625427	308478	1600889	5.19	1.10	Si
(5+6)-VIII-1	2586572	347846	1586747	4.56	1.10	Si
(5+6)-VIII-2	2650221	67421	1609914	23.88	1.10	Si
(5+6)-VIII-3	2585411	378666	1586325	4.19	1.10	Si
(5+6)-VIII-4	2649059	171477	1609491	9.39	1.10	Si
(7+8)-I-1	2397704	229534	1518005	6.61	1.10	Si
(7+8)-I-2	2418939	136059	1525734	11.21	1.10	Si
(7+8)-I-3	2391353	412467	1515693	3.67	1.10	Si
(7+8)-I-4	2412588	326386	1523422	4.67	1.10	Si
(7+8)-II-1	2370707	392226	1508179	3.85	1.10	Si
(7+8)-II-2	2441490	74809	1533942	20.50	1.10	Si
(7+8)-II-3	2368802	446513	1507485	3.38	1.10	Si
(7+8)-II-4	2439585	147315	1533248	10.41	1.10	Si
(7+8)-III-1	2398774	223884	1518394	6.78	1.10	Si
(7+8)-III-2	2417869	132600	1525344	11.50	1.10	Si
(7+8)-III-3	2392423	393545	1516083	3.85	1.10	Si
(7+8)-III-4	2411518	343931	1523033	4.43	1.10	Si
(7+8)-IV-1	2374275	341936	1509477	4.41	1.10	Si
(7+8)-IV-2	2437923	61046	1532643	25.11	1.10	Si
(7+8)-IV-3	2372369	386992	1508784	3.90	1.10	Si
(7+8)-IV-4	2436018	180338	1531950	8.49	1.10	Si
(7+8)-V-1	2396465	234177	1517554	6.48	1.10	Si
(7+8)-V-2	2417700	121663	1525283	12.54	1.10	Si
(7+8)-V-3	2392593	377411	1516145	4.02	1.10	Si
(7+8)-V-4	2413828	291034	1523873	5.24	1.10	Si
(7+8)-VI-1	2370335	399024	1508044	3.78	1.10	Si
(7+8)-VI-2	2441118	71502	1533806	21.45	1.10	Si
(7+8)-VI-3	2369174	437831	1507621	3.44	1.10	Si
(7+8)-VI-4	2439957	141021	1533384	10.87	1.10	Si
(7+8)-VII-1	2397535	225775	1517943	6.72	1.10	Si
(7+8)-VII-2	2416629	123187	1524893	12.38	1.10	Si
(7+8)-VII-3	2393663	358455	1516534	4.23	1.10	Si
(7+8)-VII-4	2412757	308478	1523484	4.94	1.10	Si
(7+8)-VIII-1	2373903	347846	1509342	4.34	1.10	Si
(7+8)-VIII-2	2437551	67421	1532508	22.73	1.10	Si
(7+8)-VIII-3	2372741	378666	1508919	3.98	1.10	Si
(7+8)-VIII-4	2436390	171477	1532085	8.93	1.10	Si