

Column Header	Data	Data type	Units
SiteID	Location	String	NA
ExperimentID	Name of experiment	String	NA
PondID	Pond Name	String	NA
DATETIME	Date/time	String	NA
StrainID	Algal Strain ID	String	NA
SourceID	Algal Source ID	String	NA
BatchID	Algal Batch ID	String	NA
TreatmentID	Code for algal pond conditions	String	NA
time.between.harvests.days	Number of days between harvests	Number	Days
Harvest.	Number assigned to harvest	Number	NA
Harvest.Vol..L	Volume of algal pond harvested	Number	L
AFDW..g.L	Ash-free dry weight of algal harvest	Number	g/L
AFDW..g	Ash-free dry mass of algae	Number	g
Crash	Note regarding pond crash	String	NA
Comments	Operator comments	String	NA
Duration.days	Time since beginning of experiment	Number	Days
Depth.cm	Algal culture depth	Number	cm
Evaporation.Rate.cm.day	Daily evaporation rate	Number	cm/day
pH	Algal culture pH	Number	NA
Salinity	Algal culture salinity	Number	g/L
Temp.C	Algal culture temperature	Number	°C
NO3.mg.L	Algal culture nitrate N concentration	Number	mg/L as Nitrogen
NO3.PCT.RSD	RSD of culture nitrate N concentration	Number	NA
NH4.mg.L	Algal culture ammonia N concentration	Number	mg/L as Nitrogen
NH4.PCT.RSD	RSD of culture ammonia concentration	Number	NA
P.mg.L	Algal culture phosphorus concentration	Number	mg/L as Phosphorus
P.PCT.RSD	RSD of culture phosphorus concentration	Number	NA
N.P.ratio	Molar ratio of nitrogen to phosphate	Number	NA
Analytical.Sample.ID	Sample ID	String	NA
Tracking.ID	Sample Tracking ID	Number	NA
DW.g.L	Algae concentration	Number	g/L
DW.RSD	Relative SD of algae concentration	Number	--
AFDW.g.L	Ash-free algae concentration	Number	g/L
AFDW.RSD	Relative SD of ash-free algae concentration	Numer	g/L
Ash	Mass fraction ash in algae	Number	NA
OD750	Optical density of algal culture @ 750nm	Number	NA
OD750.PCT.RSD	RSD of optical density @ 750nm	Number	NA
OD680	Optical density of algal culture@ 680nm	Number	NA
OD680.PCT.RSD	RSD of optical density @ 680nm	Number	NA
NO3.supplied.g	Total NO3 supplied (as N)	Number	g

NO3.utilized.g	Total NO3 utilized (as N)	Number	g
NO3.encyency..	Ratio of NO3-N supplied to NO3-N utilized	Number	NA
NO3.demand.g.N.g.AFDW	Ratio of NO3-N utilized to AFDW produced	Number	NA
NH4.supplied.g	Total NH4 supplied (as N)	Number	g
NH4.utilized.g	Total NH4 utilized (as N)	Number	g
NH4.encyency..	Ratio of NH4-N supplied to NH4-N utilized	Number	NA
NH4.demand.g.N.g.AFDW	Ratio of NH4-N utilized to AFDW produced	Number	NA
P.supplied.g	Total PO4 supplied (as P)	Number	g
P.utilized.g	Total PO4 utilized (as P)	Number	g
P.encyency..	Ratio of P supplied to P utilized	Number	NA
P.demand.g.P.g.AFDW	Ratio of P utilized to AFDW produced	Number	NA
mg.AFDW_mol.PAR.input	Ratio of AFDW per mol PAR input	Number	mg/mol
mg.AFDW_kW.GLE.input	Ratio of AFDW per kW GLE input	Number	mg/KW

StrainID	Name	Source
KA32	<i>Nannochloropsis oceanica</i>	Cellana
LRB-AZ-1201	<i>Chlorella vulgaris</i>	Arizona State University
C046	<i>Desmodesmus cf intermedius</i>	Cellana

LOCATION	NAME	STATE
ASU	Arizona State University	AZ
CELL	Cellana	HI
CP	Cal Poly San Luis Obispo	CA
GT	Georgia Tech	GA
FA	Florida Algae	FL
TRL	TRL Corp	OH