Key of terms to identify data sets and variables in the datasets

Term	Where is it used	Definition
VOCs	In the name of a data file	Designates the file containing the concentrations of different volatile organic compounds in the diesel emissions
Body weights_low_highdose	In the name of a data file	Designates the file containing body weights
Microvessel_acetylcholine_highdose	In the name of a data files	Designates data collected from microvessels of animals exposed to the high dose of diesel and treated with acetylcholine
MIcrovessel_phenylephrine_highdose	In the name of a data file	Designates data collected from microvessels of animals exposed to the high dose of diesel and treated with phenylephrine.
Microvessel_acetylcholine_lowdose	In the name of a data file	Designates data collected from microvessels of animals exposed to the low dose of diesel and treated with acetylcholine
Microvessel_phenylephrine_lowdose	In the name of a data file	Designates data collected from microvessels of animals exposed to the low dose of diesel and treated with phenylephrine
PVloopdata_highdose	In the name of a data file	Designates data collected using the PV loop method from animals treated with a low dose of diesel
PVloopdata_lowdise	In the name of a data file	Designates data collected using the PV loop method from animals treated with a high dose of diesel
Heart_kidney_ros_low_high_dose	In the name of a data file	Designates reactive oxygen species data collected from the kidneys and hearts of animals treated with either a low or high dose of diesel exhaust
Heart_kdiney_sod_low_highdose	In the name of a data file	Designates superoxide dismutase data collected from the kidneys and hearts of animals treated with either a low or high dose of diesel exhaust
PCR_tissuetype (heart or kidney)_ rLowdose or Highdose	In the name of a data file	Designates data collected from heart or kidney tissue in animals exposed to a low or high dose of diesel exhaust.
Canister (#) (concentration ppm) dose of diesel (0.2 or 1 mg/m^3)	Column name in files	Designates the cannister number for measuring diesel and
Animal	Column name in files	Designates the animal number

Analyte	Column name in files	Designates the chemicals measured in the diesel exhaust
Exposure dose/day (mg)	Column name in files	Designates the exposure dose
Condition (a or d)	Column name in files	Designates the exposure the animal received (a=air or d=diesel exhaust)
Day	Column name in files	The number of days post exposure
Body weight (g)	Column name in files	Weight of the animals in g
internal diameter baseline before constriction (um)	Column name in files	Baseline internal diameter of ventral tail arteries
internal diameter baseline after constriction (um)	Column name in files	Internal diameter of ventral tail artery after constriction with phenylephrine
% baseline constriction (internal diameter after/before constriction)	Column name in files	% change in the internal diameter of the ventral tail artery after constriction with phenylephrine
% baseline diameter (-log dose uM)	Column name in files	% change in the internal diameter of the ventral tail artery after treatment with varying doses (log dose -10 to -5.5 uM in 0.5 uM increments) of acetylcholine or phenylephrine
Basal (e.g.SBP)	Column name in files	Indicates basal measures collected with the PV loop method SBP systolic blood pressure DBP diastolic blood pressure MAP mean arterial blood pressure CO cardiac output SV stroke volume Pes end systolic pressure Ped end diastolic pressure Heart rate dp/dt max is the maximum change in blood pressure over time dp/dt min is the minimum change in blood pressure over time RR-interval is the RR interval in the EKG QT-interval is the QT interval in the EKG HR heart rate
% change (e.g. SBP _dose of drug ug/kg drug)	Column name in files	Indicates the percent change from baseline in one of the PV loop measures after treatment

		with a specific dose of NE (norepinephrine or dobutamine)
Tissue	Column name in files	Indicates the type of tissue a measure was made in (e.g. heart or kidney)
(Heart or Kidney) Fluorescence/ug protein	Column name in files	Indicates fluorescence seen/ug protein in the listed tissue (a measure of reactive oxygen species)
SOD (pg/mg protein)	Column name in files	Superoxide dismutase concentrations/mg protein measure in either the heart or kidney
18s	Column name in files	Housekeeping gene
Fold change from same day air control (transcript name)	Column name in files	Data are fold changes in transcript levels from air control BAD (Bcl activator of cell death) Timp (tissue inhibitor of metallomatix protein) Hif1 (hypoxia-induced factor 1) Nos1 (nitric oxide synthase 1 or neuronal) Nos2 (nitric oxide synthase 2 or inducible) Nos3 (nitric oxide synthase 3 or endothelial) Tnf alpha (tumor necrosis factor alpha) Bcl2(anti-apoptotic factor) Il1 beta (interleukin 1 beta) Sod2 (superoxide dismutase 2) IL6 (interleukin 6) CAT (catalase) Vegf (vascular endothelial growth factor)