

# PSU Acronyms

## Greek

µg/L: micrograms per liter

## A

Ag: silver

Al: aluminum

## B

bgs: Below ground surface

BN: base-neutral organics

BTEX: benzene, toluene, ethylbenzene and xylene

Br: bromide

BTEX: xylenes

## C

Ca: calcium

C<sub>free</sub>: Freely dissolved concentrations

Cl: chloride

ClO<sub>4</sub>: perchlorate

CO<sub>2</sub>: carbon dioxide

CVOC: chlorinated volatile organic compound

## D

DGT: Diffusion Gradient in Thin Films

DI: deionized

DIS: Discrete Interval Sampler

DMPDB™: Dual Membrane™ Passive Diffusion Bag Sampler

DNA

DNAPL: Dense Non-aqueous Phase Liquids

DO: dissolved oxygen

DQOs: data quality objectives

## E

ERD: enhanced reductive dichlorination

## F

F: fluoride

Fe: iron

## **G**

g: gram

GC-MS : gas chromatography-mass spectrometry

## **H**

HCO<sub>3</sub><sup>-</sup>: bicarbonate

HDPE: high-density polyethylene

Hg: mercury

MX: 1,3,5,7-tetranitro-1,3,5,7-tetrazoctane

HOCS: hydrophobic organic compounds

HPLC: high performance liquid chromatography

HRPP: High-Resolution Passive Profiler

HSE: Health and Safety Executive

HVAC: Heating Ventilation and Air Conditioning

## **I**

ID: inside diameter

IDW: investigation derived waste

ISCR: in situ chemical reduction

## **K**

K: potassium

## **L**

L: Liter

LC/MS: liquid chromatograph/mass spectrometer

LDPE: low-density polyethylene

LIF: laser-induced fluorescence

LNAPL: Light Non-aqueous Phase Liquids

## **M**

Mg: magnesium

MGP: Manufactured Gas Plant

Mn: manganese

MNA: Monitored Natural Attenuation

MTBE: Methyl tertiary butyl ether

MWCO: molecular weight cut-off

## **N**

Na: sodium

NAPL: non-aqueous phase liquid

ng/L: nanograms per liter

NH<sub>4</sub>: ammonium

NO<sub>3</sub>: nitrate

NO<sub>2</sub>: nitrit

NSPDS: Nylon Screen Passive Diffusion Sampler

NSZD: natural source zone depletion

## **O**

OD: outside diameter

organoCl: organochlorine

organoPO<sub>4</sub>: organophosphate

ORP: oxidation-reduction potential

## **P**

PAHs: polynuclear aromatic hydrocarbons

PCBs: polychlorinated biphenyls

PCE: tetrachloroethene

PDB: Passive Diffusion Bag

PDMS: Polydimethylsiloxane

PES: polyethersulfone

PFAS: per- and polyfluoroalkyl substances

PISCES: Passive In Situ Concentration Extraction Sampler

PLFA:

PO<sub>4</sub>: phosphate

POCIS: Polar Chemical Integrated Sampler

POM: polyoxymethylene

POPs: persistent organic pollutants

PPE: personal protection equipment

PRCs: performance reference compounds

PsMS: polysulfone membrane sampler

PTFE: Polytetrafluoroethylene

PUF-PAS: Polyurethane Foam Disk Passive Air Sampler

## **Q**

QA/QC: Quality Assurance/Quality Check

## **R**

RCDM: Regenerated Cellulose Dialysis Membrane Sampler

RC-DMPDBs: Regenerated Cellulose Dual Membrane PDBs

RDX: 1,3,5-trinitro-1,3,5-triazinane

RH: relative humidity

RPD: Relative Percent Differences

RPPS: Rigid Porous Polyethylene Sampler

## **S**

R<sub>s</sub>: Sampling rates

SC: specific conductivity

SEM-EDS: scanning electron microscopy with energy dispersive spectral analysis

SO<sub>4</sub>: sulfate

SPMD: Semipermeable Membrane Devices

SPME: solid phase microextraction

SVOCs: semi-volatile organic compounds

## **T**

TCE: trichloroethene

TD: thermal desorption

TD-GC/MS: Thermal desorption and gas chromatography/mass Spectrometry

Temp: Temperature

TIE: toxicity identification evaluation

TNT: trinitrotoluene

TOC: total organic carbon

TWA: time-weighted average

## **U**

UVOST: ultraviolet optical screening tool

## **V**

VOCs: Volatile organic compound

## **X**

XRD: x-ray diffraction

## **Z**

Zn: zinc