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_{free}: Freely dissolved concentrations

Cl: chloride

ClO_4: perchlorate

CO_2: 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_3: bicarbonate

HDPE: high-density polyethylene

Hg: mercury

HMX: 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_4: ammonium

NO_3: nitrate

NO_2: nitrit

NSPDS: Nylon Screen Passive Diffusion Sampler

NSZD: natural source zone depletion

O

OD: outside diameter

organoCl: organochlorine

organoPO_4: 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_4: 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_s: Sampling rates

SC: specific conductivity

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

SO_4: 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