

## 1,4-Dioxane Acronym List

### Greek Characters

µg/L              micrograms per liter

### Numerals

1,1-DCE           1,1-dichloroethene

1,4-D              1,4-dioxane (*in "Remediation and Treatment Technologies" tables only*)

1,1,1-TCA          1,1,1-trichloroethane

### A

ACS                American Chemical Society

ATSDR            Agency for Toxic Substances and Disease Registry

### C

CAS                Chemical Abstracts Service

CCL                Candidate Contaminant List

C&D               Construction and Demolition

CERCLA           Comprehensive Environmental Response, Compensation, and Liability Act

CSIA                compound-specific isotope analysis

cVOC               chlorinated volatile organic compound

### D

DMPDB           dual-membrane passive diffusion bag

DNAPL            dense nonaqueous phase liquid

DOT                Department of Transportation

DW                 drinking water

### E

E                    Emerging Options

ECB                European Chemicals Bureau

ECHO              Enforcement and Compliance History Online Database

ECOSAR           Ecological Structure Activity Relationships

EqP                Equilibrium Partitioning

### F

F                    Fully Demonstrated

FDA                Food and Drug Administration

### G

GAC                granular activated carbon

|                 |                                                 |
|-----------------|-------------------------------------------------|
| GC/MS           | gas chromatography/mass spectrometry            |
| GW              | groundwater                                     |
| <b>H</b>        |                                                 |
| HAP             | Hazardous Air Pollutant                         |
| HCl             | hydrochloric acid                               |
| HEAA            | $\beta$ -hydroxyethoxyacetic acid               |
| HT              | holding time                                    |
| <b>I</b>        |                                                 |
| IARC            | International Agency for Research on Cancer     |
| ITRC            | Interstate Technology and Regulatory Council    |
| <b>K</b>        |                                                 |
| K <sub>oc</sub> | organic carbon partition coefficient            |
| <b>L</b>        |                                                 |
| L               | less effective                                  |
| <b>M</b>        |                                                 |
| MCL             | maximum contaminant level                       |
| mg              | milligrams                                      |
| mg/L            | milligrams per liter                            |
| MTL             | monitoring trigger level                        |
| <b>N</b>        |                                                 |
| NA              | not applicable                                  |
| NOD             | natural oxidant demand                          |
| NPDES           | National Pollutant Discharge Elimination System |
| <b>O</b>        |                                                 |
| OSHA            | Occupational Safety and Health Administration   |
| <b>P</b>        |                                                 |
| PCE             | tetrachloroethylene                             |
| PDB             | passive diffusion bag                           |
| PEL             | permissible exposure limit                      |
| PET             | polyethylene terephthalate                      |
| PNEC            | Predicted No Effect Concentration               |
| POTWs           | publicly owned treatment works                  |
| ppm             | parts per million                               |

PTFE polytetrafluoroethylene

## **Q**

qPCR quantitative polymerase chain reaction

## **R**

RCRA Resource Conservation and Recovery Act

RL reporting limit

RPP Rigid Porous Polyethylene

RSL regional screening level

## **S**

SDWA Safe Drinking Water Act

SIM selective ion monitoring

SPE solid-phase extraction

SVOC semivolatile organic compound

## **T**

TCE trichloroethylene

TRI Toxics Release Inventory

TSCA Toxic Substances Control Act

TWA time-weighted average

## **U**

UCMR3 Third Unregulated Contaminant Monitoring Rule

USEPA U.S. Environmental Protection Agency

UV ultraviolet

## **V**

VOA volatile organic analyte

VOC volatile organic compound

VZS vadose zone soil

## **W**

WHO World Health Organization

WW wastewater

WWTP wastewater treatment plant

## **X**

XSVE extreme soil vapor extraction