Appendix E: Acronyms

2,4-DNT	2,4-dinitrotoluene
ADEC	Alaska Department of Conservation
AL	action level
AQC	analytical quality control
ASTM	ASTM International, formerly American Society for Testing and Materials
ATON	aid to navigation
BaP	benzo(a)pyrene
BTEX	benzene, toluene, ethylbenzene, and xylenes
BCa	bias-corrected accelerated bootstrap method
CAG	community advisory group
CCA	chromium, copper, and arsenic
CE2	long-range heterogeneity fluctuation error
CE3	periodic heterogeneity fluctuation error
CEC	cation exchange capacity
CFR	Code of Federal Regulations
CH	compositional heterogeneity
CI	confidence interval
CLT	central limit theorem
cm	centimeter
cm^2	centimeters squared
cm^3	centimeters cubed
CMIST	U.S. Army Corps of Engineers multi-increment sampling tool
COC	chemical of concern (or contaminants of concern)
COI	chemical of interest
COPC	chemical of potential concern
CRA	contingency reserve area
CRREL	U.S. Army Cold Regions Research and Engineering Laboratory
CSM	conceptual site model
CV	coefficient of variation
d	diameter
df	degrees of freedom
DGR	Dangerous Goods Regulations
DH	distributional heterogeneity
DHHL	Department of Hawaiian Home Lands
DHS	U.S. Department of Homeland Security
DLNR	State of Hawaii Department of Land and Natural Resources
DNT	dinitrotoluene
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DQO	data quality objective
DTSC	California Department of Toxic Substances
DU	decision unit
DUA	data usability assessment
EE	extraction error
ECOS	Environmental Council of the States

EDQW	Environmental Data Quality Working Group
ELAP	Environmental Laboratory Accreditation Program
EPC	exposure point concentration
ERIS	Environmental Research Institute of the States
ESTCP	Environmental Security Technology Certification Program
EU	exposure unit
EU_a	exposure unit for adults
EU_c	exposure unit for children
FDA	U.S. Food and Drug Administration
FDEP	Florida Department of Environmental Protection
FE	fundamental error
FOT	fields of testing
ft^2	square feet
g	gram
GIS	geographic information system
GM	geometric mean
GNSS	global navigation satellite system
GPS	Global Positioning System
GSD	geometric standard deviation
GSE	grouping and segregation error
H_0	null or baseline hypothesis
H_1	alternate hypothesis
HDOH	Hawaii Department of Health
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IA	investigation area
IATA	International Air Transport Association
IBT	internet-based training
IDQTF	Intergovernmental Data Quality Task Force
IS	incremental sample (or incremental sampling)
ISM	Incremental Sampling Methodology
ISO	International Organization for Standardization
ITRC	Interstate Technology & Regulatory Council
KM	Kaplan-Meier
LCL	lower confidence limit
LCS	laboratory control sample (or laboratory control spike)
LDR	Land Disposal Restrictions
LORAN	Long Range Navigation
LUST	leaking underground storage tank
M	maps
MARLAP	Multi-Agency Radiological Laboratory Analytical Protocols Manual
MDL	method detection limit
MEDEP	Maine Department of Environmental Protection
mg/kg	milligram per kilogram
MI	multiple increment
mm	millimeter
mm Hg	millimeter mercury vapor pressure
MMRP	Military Munitions Response Program

MPC	measurement performance criteria
MQO	measurement quality objective
Ms	mass of the collected sample
MS	matrix spike
MSD	matrix spike duplicate
n	number of increments or sample size
NAEG	Nevada Applied Ecology Group
nCi	nanocurie
ND	non-detect
NELAP	National Environmental Laboratory Accreditation Program
N&E DU	nature and extent decision unit
NIST	U.S. National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
OCP	organochlorine pesticides
OLEM	Office of Local Environmental Management
ORD	USEPA Office of Research and Development
OSWER	Office of Solid Waste and Emergency Response
oz	ounce
PAH	polyaromatic hydrocarbon
PAL	project action level
Pb	lead
PCB	polychlorinated biphenyl
PCP	pentachlorophenol
PD	probability distribution
PETN	pentaerythritol tetranitrate
PFAS	per- and polyfluoroalkyl substances
PHC	petroleum hydrocarbons
PID	photo-ionization detector
ppm	parts per million
PNNL	Pacific Northwest National Laboratory
ProUCL	USEPA statistical software package for analysis of environmental datasets
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
QSM	Quality Systems Manual
r	replicates
RAG	Remedial Action Guideline or Risk Assessment Guidance
RCRA	Resource Conservation and Recovery Act
RDX	1,3,5-trinitroperhydro-1,3,5-triazine
RL	reporting limit
RPD	relative percent difference
RSD	relative standard deviation
Sb	antimony
SD	standard deviation
SE	sampling error (or standard error)
SIM	selective ion monitoring
SMD	scrap metal dump

SOP	standard operating procedure
SPP	systematic planning process
sqrt	square root
SRM	standard reference manual
SU	sampling unit
SVOC	semi-volatile organic compound
TAG	technical assistance grantee
TCEQ	Texas Commission on Environmental Quality
TCLP	Toxicity Characteristic Leaching Procedure
TGM	Technical Guidance Manual
TOS	theory of sampling
TPP	technical project planning
t-UCL	Student's-*t*
μ	population mean
UCL	upper confidence limit
UFP-QAPP	uniform federal policy for quality assurance project plans
UPL	upper prediction limits
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
UTL	upper tolerance limit
UV	ultraviolet
VOC	volatile organic compound
VSP	Visual Sample Plan
WP	work plan XRF X-ray fluorescence

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