

APPENDIX C

Table 4. Water Clean Up Standards					
	CAS Num	EPA Weight of Evidence Class	Water Clean Up Standard**(ug/l)	Source	EPA Method
BTEX					
Benzene	71-43-2	A	5	Federal Drinking water MCL	8021B 8260B
toluene	108-88-3	D	1000	Federal Drinking water MCL	
Ethylbenzene	100-41-4	D	700	Federal Drinking water MCL	
Xylenes (total)	1330-20-7	D	1000	Federal Drinking water MCL	
PAH					
Acenaphthene	83-32-9	NA*	670	National Recommended Water Quality Criteria	8270C 8310
Anthracene	120-12-7	D	8300	National Recommended Water Quality Criteria	
Benz(a)anthracene	56-55-3	B2	0.0028	National Recommended Water Quality Criteria	
Benzo(a)pyrene	50-32-8	B2	0.2	Federal Drinking water MCL	
Benzo(b)fluoranthene	205-99-2	B2	0.0028	National Recommended Water Quality Criteria	
Benzo(k)fluoranthene	207-08-9	B2	0.0028	National Recommended Water Quality Criteria	
Chrysene	218-01-9	B2	0.0028	National Recommended Water Quality Criteria	
Dibenzo(a,h)anthracene	53-70-3	B2	0.0028 (0.03)	National Recommended Water Quality Criteria	
Fluoranthene	208-44-0	D	300	National Recommended Water Quality Criteria	
Fluorine	86-73-7	D	1300	National Recommended Water Quality Criteria	
Indeno(1,2,3,-c,d)pyrene	193-39-5	B2	0.0028	National Recommended Water Quality Criteria	
Naphthalene	91-20-3	C	6.2	EPA Region 9 Tap Water PRGs "Cal Modified"	
Phenanthrene	85-01-8	D	6.2	State of New Mexico	
Pyrene	129-00-0	D	960	National Recommended Water Quality Criteria	
Lead	7439-923-1	B2	15	Federal Drinking water MCL	
Additives					
MTBE	1634-04-4	NA	2.6 (5)	EPA Region 3 Tap Water RBCs	8260B
TBA	75-65-0	B2	12	State of California	
EDB	106-93-4	B2	0.05	Federal Drinking water MCL	
EDC OR 1, 2 DCA	107-06-2	B2	5	Federal Drinking water MCL	

* Not Assigned

** Analytical method detection limit is in parentheses after clean up standard

MCL = Maximum Contaminant Levels

Table 4. Soil Clean Up Standards					
	CAS Num	EPA Weight of Evidence Class	Soil Clean Up Standard+ (mg/kg)	Source	EPA Method
BTEX					
Benzene	71-43-2	A	0.002 (0.5)	Calculated (see text)	8021B 8260B
toluene	108-88-3	D	0.6	Calculated (see text)	
Ethylbenzene	100-41-4	D	0.7	Calculated (see text)	
Xylenes (total)	1330-20-7	D	7	Calculated (see text)	
PAH					
Acenaphthene	83-32-9	NA*	10	Calculated (see text)	8270C 8310
Anthracene	120-12-7	D	490	Calculated (see text)	
Benz(a)anthracene	56-55-3	B2	0.002	Calculated (see text)	
Benzo(a)pyrene	50-32-8	B2	0.4	Calculated (see text)	
Benzo(b)fluoranthene	205-99-2	B2	0.007	Calculated (see text)	
Benzo(k)fluoranthene	207-08-9	B2	0.007	Calculated (see text)	
Chrysene	218-01-9	B2	0.002	Calculated (see text)	
Dibenzo(a,h)anthracene	53-70-3	B2	0.02	Calculated (see text)	
Fluoranthene	208-44-0	D	64	Calculated (see text)	
Fluorine	86-73-7	D	36	Calculated (see text)	
Indeno(1,2,3,-c,d)pyrene	193-39-5	B2	0.02	Calculated (see text)	
Naphthalene	91-20-3	C	0.02	Calculated (see text)	
Phenanthrene	85-01-8	D	0.3	Calculated (see text)	
Pyrene	129-00-0	D	200	Calculated (see text)	
TPH					
Gasoline			500		8015B – G 8015 B – G 1664
Diesel			500		
Waste Oil			500		
Lead	7439-923-1	B2		State of New Mexico	6010B, 6020
Additives					
MTBE	1634-04-4	NA		Calculated (see text)	8260B
TBA	75-65-0	B2		Calculated (see text)	
EDB	106-93-4	B2		Calculated (see text)	
EDC OR 1, 2 DCA	107-06-2	B2		Calculated (see text)	

* Not Assigned

+ The soil standards are based on values protective of groundwater and where calculated using NNEPA LUST target water concentrations and a DAF of 1.

** The estimated analytical method detection limit is in parentheses after the clean up standards. Due to variations in instruments and laboratory practices, Detection Levels may vary somewhat.