

TABLE D-8
SUMMARY OF ORGANIC ANALYTES SCREENING LEVEL EXCEEDANCES FOR SURFACE WATER DRAINAGE SAMPLES
CASMALIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

Parameter	California MCL	Federal MCL	Preliminary Remediation Goal (PRG)	Lowest Human Health Risk Screening Level	Lowest Ecological Screening Level
Benchmark Locations					
Upper C Drainage					
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	✓	✓	✓	✓	
1,2,3,4,7,8-HxCDD	✓	✓	✓	✓	
1,2,3,6,7,8-HxCDD	✓	✓	✓	✓	
1,2,3,7,8,9-HxCDD	✓	✓	✓	✓	
1,2,3,7,8,9-HxCDF	✓	✓	✓	✓	
OCDD	✓	✓	✓	✓	
Total TEQ			✓	✓	✓
Poor Purging Organics					
Ethylene glycol					
Semi Volatile Organic Compounds					
Benzo(a)anthracene					
N-Nitrosodipropylamine			✓	✓	
North Drainage					
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	✓	✓	✓	✓	
1,2,3,4,6,7,8-HpCDF	✓	✓	✓	✓	
1,2,3,4,7,8-HxCDD	✓	✓	✓	✓	
1,2,3,4,7,8-HxCDF	✓	✓	✓	✓	
1,2,3,6,7,8-HxCDD	✓	✓	✓	✓	
1,2,3,6,7,8-HxCDF	✓	✓	✓	✓	
1,2,3,7,8,9-HxCDD	✓	✓	✓	✓	
1,2,3,7,8,9-HxCDF	✓	✓	✓	✓	
1,2,3,7,8-PeCDD	✓	✓	✓	✓	
OCDD	✓	✓	✓	✓	
OCDF	✓	✓	✓	✓	
Total TEQ			✓	✓	✓
Poor Purging Organics					
Acetone					
Ethylene glycol					
Methyl isobutyl ketone (MIBK)			✓	✓	✓

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Parameter	California MCL	Federal MCL	Preliminary Remediation Goal (PRG)	Lowest Human Health Risk Screening Level	Lowest Ecological Screening Level
Semi Volatile Organic Compounds					
Benzo(a)anthracene					
Benzo(a)pyrene			✓	✓	✓
Benzo(b)fluoranthene					
Benzo(g,h,i)perylene					
Bis(2-chloroethyl)ether			✓	✓	
Bis(2-ethylhexyl)phthalate					
Chrysene					
Dibenzo(a,h)anthracene			✓	✓	
Hexachloropropene					
N-Nitrosodiethylamine			✓	✓	
N-Nitrosodipropylamine			✓	✓	
N-Nitrosopyrrolidine			✓	✓	
Volatile Organic Compounds					
Nonanal					
p-Isopropyltoluene					
On-Site Locations					
RCRA Canyon					
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	✓	✓	✓	✓	
OCDD	✓	✓	✓	✓	
Total TEQ					
Poor Purging Organics					
Ethylene glycol					
Semi Volatile Organic Compounds					
Benzo(b)fluoranthene					
Bis(2-chloroethyl)ether			✓	✓	
Hexachlorobutadiene					
N-Nitrosodipropylamine			✓	✓	
N-Nitrosopyrrolidine			✓	✓	
Volatile Organic Compounds					
Nonanal					

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Down Gradient Locations					
A Drainage					
Dioxins/Furans					
OCDD	✓	✓	✓	✓	
Total TEQ					
Poor Purging Organics					
Ethylene glycol					
Semi Volatile Organic Compounds					
Naphthalene					
N-Nitrosodipropylamine			✓	✓	
Lower C Drainage					
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	✓	✓	✓	✓	
1,2,3,4,6,7,8-HpCDF	✓	✓	✓	✓	
1,2,3,4,7,8-HxCDD	✓	✓	✓	✓	
1,2,3,6,7,8-HxCDD	✓	✓	✓	✓	
1,2,3,6,7,8-HxCDF	✓	✓	✓	✓	
1,2,3,7,8,9-HxCDD	✓	✓	✓	✓	
1,2,3,7,8,9-HxCDF	✓	✓	✓	✓	
OCDD	✓	✓	✓	✓	
OCDF	✓	✓	✓	✓	
Total TEQ			✓	✓	✓
Poor Purging Organics					
Acetone			✓	✓	
Acetonitrile			✓	✓	
Ethylene glycol					

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Semi Volatile Organic Compounds					
Benzo(a)anthracene					
Bis(2-chloroethyl)ether			✓	✓	
Bis(2-ethylhexyl)phthalate					
N-Nitrosodipropylamine			✓	✓	
Volatile Organic Compounds					
Carbon disulfide					

Footnotes:

Check mark indicates at least one result exceeded the criteria

California MCL= California Maximum Contaminant Level

Federal MCL= Federal Maximum Contaminant Level

PRG = Preliminary Remediation Goal