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Table 6-1
Summary of COPC Selection

Analyte	Summary of Screening Level Exceedances in All Media					Additional Screening		Retain as COPC
	Shallow Soil (<10 feet)		Deep Soil (>10 feet)	Vadose Zone Water	Regional Water	Naturally Occurring	Not Associated with SWMUs	
	DAF	SSL	DAF					
Solvents								
1,1-Dichloroethane	ü	--	--	ü	--			ü
1,1-Dichloroethene	--	--	--	--	ü			ü
1,4-Dioxane	--	--	--	--	ü			ü
1,1,1-Trichloroethane	--	--	ü	--	--			ü
Acetone	--	--	ü	--	--			ü
Carbon Tetrachloride	--	--	ü	--	--			ü
Chloroform	--	--	ü	--	--			ü
Trichloroethene	--	--	ü	ü	ü			ü
Low Molecular Weight Diesel Fuel Constituents								
1,2,4-Trimethylbenzene	ü	--	ü	ü	--			ü
Benzene	--	--	ü	ü	--			ü
Ethylbenzene	--	--	ü	--	--			ü
Isopropylbenzene	--	--	ü	--	--			ü
m,p-Xylene	--	--	ü	--	--			ü
o-Xylene	--	--	ü	--	--			ü
Phenol	--	--	--	ü	--			ü
Xylenes (total)	--	--	ü	--	--			ü
Polynuclear Aromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	--	--	--	ü	--			ü
2-Methylnaphthalene	--	--	--	ü	--			ü
Chrysene	--	--	--	ü	--			ü
Naphthalene	--	--	ü	ü	--			ü
Phenanthrene	--	--	--	ü	--			ü
Pesticides/Herbicide								
Aldrin	--	--	--	ü	--		X	
Bromomethane	--	--	ü	--	--		X	
Diphenylamine	ü	--	--	ü	--		X	
N-Nitroso-di-n-propylamine	--	--	ü	--	--		X	
N-Nitrosodiphenylamine	--	--	ü	ü	--		X	
Toxaphene	--	--	--	--	ü		X	
Explosives								
2,4,6-Trinitrotoluene	--	--	--	ü	--		X	
2-Nitrotoluene	--	--	--	ü	--		X	
Nitrobenzene	--	--	--	ü	--		X	
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	--	--	--	ü	--		X	
RDX	--	--	--	ü	--		X	
Metals								
Aluminum	--	--	--	ü	ü	X [a]		
Antimony	ü	--	ü	--	--			ü
Arsenic	ü	ü	ü	ü	ü	X [b]		

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Analyte	Summary of Screening Level Exceedances in All Media					Additional Screening		Retain as COPC
	Shallow Soil (<10 feet)		Deep Soil (>10 feet)	Vadose Zone Water	Regional Water	Naturally Occurring	Not Associated with SWMUs	
	DAF	SSL	DAF					
Barium	ü	--	ü	ü	--	X [a]		
Beryllium	--	--	--	ü	ü			ü
Boron	--	--	--	ü	--	X[a]		
Cadmium	ü	--	ü	ü	--			ü
Chromium	--	--	--	ü	ü			ü
Copper	--	--	--	ü	--			ü
Hexavalent Chromium	ü	--	ü	ü	ü			ü
Iron	ü	--	ü	ü	ü	X [b]		
Lithium	--	--	--	ü	ü	X [a]		
Manganese	--	--	ü	ü	--	X [b]		
Molybdenum	--	--	ü	ü	ü			ü
Nickel	--	--	--	ü	ü	X [b]		
Selenium	ü	--	ü	ü	ü	X [a]		
Silver	ü	--	ü	--	--			ü
Strontium	--	--	--	ü	ü	X [a]		
Vanadium	--	--	ü	ü	ü	X [a]		
Anions								
Chloride	--	--	--	ü	ü	X [a]		
Fluoride	--	--	--	ü	ü	X [a, c]		
Sulfate	--	--	--	ü	ü	X [a]		

The screening levels were applied in accordance with NMED Guidance Technical Background Document for Development of Soil Screening Levels, Revision 5.0 (NMED 2009a and 2009b).

For groundwater the screening value is the lowest of the USEPA MCL or the NMED Groundwater Quality Bureau standard. If an MCL or NMED standard is not published, the USEPA tap water screening level was used and adjusted upward by a factor of 10.

COPC	Constituent of Potential Concern.
DAF	Dilution Attenuation Factor.
MCL	Maximum Contaminant Level.
NMED	New Mexico Environmental Department.
SSL	Soil Screening Level - Residential New Mexico SSLs (NMSSLs)were used, if available. If no NMSSLs have been published, USEPA's regional screening levels were used.
SWMU	Solid Waste Management Unit.
USEPA	U.S. Environmental Protection Agency.
a	Naturally occurring constituent whose detected concentrations in the site media are within ranges that are reported to occur naturally within this region of New Mexico, according to publications referenced in the Revised Phase III RFI Report.
b	Constituents that are naturally occurring in native soils and have been solubilized and detected in groundwater samples because of a change in oxidation-reduction (redox) conditions resulting from contact with high organic content water.
c	Fluoride is a naturally occurring constituent detected at concentrations in the site media within ranges that are reported to occur naturally within this region of New Mexico, according to publications referenced in the Revised Phase III RFI Report. However, it was retained as a COPC because of its use at SWMUs 33 and 34 (Fluorspar Tanks) and the reported release at the Test Cell Lagoon (SWMU-145).