

TABLE D-1
Data Needs and Uses - Soil Gas Sampling Activities
Wyle Laboratories, Northwest Area; Norco, California

Parameter to be Analyzed	Uses/ Decisions	Users	Regulatory Action Limit	Appropriate Detection Limit
VOCs	Exceedance(s) with respect to federal and state drinking water standards	Regulators, hydrogeologists, geochemists, treatment engineers	State or federal MCLs	Method Reporting Limits (see Table D-2)
	ARARs (chemical specific and location specific)			
	Health Risk Assessment			
	Evaluate effectiveness of remedial actions at the Site Assess water quality			
NDMA	Exceedance(s) with respect to federal and state drinking water standards	Regulators, hydrogeologists, geochemists, treatment engineers	California State Action Level (0.002 µg/L)	Method Reporting Limit (0.002 µg/L)
	ARARs (chemical specific and location specific)			
	Health Risk Assessment Assess water quality			

TABLE D-2
Detection Limits and Reporting Limits for Volatile Organic Compounds in Soil Gas
Wyle Laboratories, Northwest Area; Norco, California

Parameter to be Analyzed	Regulatory Action Limit (µg/L)	Method Detection Limit (µg/L)	Method Reporting Limit (µg/L)
Soil Gas			
Benzene	0.061 ⁽¹⁾	0.0011	0.0016
Tetrachloroethene	0.325 ⁽¹⁾	0.0023	0.0034
Trichloroethene	0.923 ⁽¹⁾	0.0018	0.0027

Notes:

(1) Carcinogenic risk-based target concentrations for soil gas at depth of 5 feet, based on site-specific Johnson & Ettinger

Model (10⁻⁶ cancer risk)

µg/l = micrograms per liter

TABLE D-3
Analytical Methods and Sample Collection Requirements
Wyle Laboratories, Northwest Area; Norco, California

Specific Analysis	USEPA Method T0-15 for Volatile Organic Compounds in Soil Gas
Preservative	None
Holding Time	3 days
Number and Type of Sample Containers	1 x 6000 ml SUMMA canister
Soil Gas Monitoring Probes	
VW-1	X
VW-2	X
VW-3	X
VW-4	X
VW-5	X
VW-6	X
VW-7	X
VW-8	X
VW-9	X
VW-10	X
VW-11	X

Table 4
Rating Summary of Removal Action Alternatives
Wyle Laboratories, Norco, California

Removal Action Alternative	Effectiveness	Implementability	Cost	TOTAL
RA-1: No Action	0	1	3	4
RA-2: Soil Vapor Extraction	4	2	2	7