

Table 3
Sample/Sample Duplicate Comparison - Soil
Soil Removal Confirmation Sampling
Former Victor Mill Property
Greer, South Carolina

Polycyclic Aromatic Hydrocarbons																
CAS#	Parameter	Method	Units	USEPA RSLs		VM-CS-09			VM-CS-09 DUP			Results > or < 5x Report Limit	Difference Between Sample and Duplicate Values or %RPD *	2x Report Limit (Acceptable)	2x Acceptable Limit	Result
				Residential Soil	Industrial Soil	Value	Qualifier	Report Limit	Value	Qualifier	Report Limit					
83-32-9	Acenaphthene	8270C	mg/kg	3400	33000	7.6		0.32	16		0.33	>	71.19	NA	NA	High variability
208-96-8	Acenaphthylene	8270C	mg/kg			2.1		0.32	ND		0.33	>	200.00	NA	NA	High variability
120-12-7	Anthracene	8270C	mg/kg	17000	170000	21.4		0.32	51.8		6.6	>	83.06	NA	NA	High variability
56-55-3	Benzo(a)anthracene	8270C	mg/kg	0.15	2.10	74.8		3.2	145		6.6	>	63.88	NA	NA	High variability
50-32-8	Benzo(a)pyrene	8270C	mg/kg	0.015	0.21	53.2		3.2	98.8		6.6	>	60.00	NA	NA	High variability
205-99-2	Benzo(b)fluoranthene	8270C	mg/kg	0.15	2.10	62.5		3.2	120		6.6	>	63.01	NA	NA	High variability
191-24-2	Benzo(g,h,i)perylene	8270C	mg/kg			14.7		0.32	22.5		0.33	>	41.94	NA	NA	Slightly high variability
207-08-9	Benzo(k)fluoranthene	8270C	mg/kg	1.50	21.00	24.1		0.32	109		6.6	>	127.57	NA	NA	High variability
218-01-9	Chrysene	8270C	mg/kg	15	210	68.3		3.2	137		6.6	>	66.93	NA	NA	High variability
53-70-3	Dibenz(a,h)anthracene	8270C	mg/kg	0.015	0.21	10.4		0.32	15.8		0.33	>	41.22	NA	NA	Slightly high variability
206-44-0	Fluoranthene	8270C	mg/kg	2300	22000	143		3.2	276		6.6	>	63.48	NA	NA	High variability
86-73-7	Fluorene	8270C	mg/kg	2300	22000	7.8		0.32	16.4		0.33	>	71.07	NA	NA	High variability
193-39-5	Indeno(1,2,3-cd)pyrene	8270C	mg/kg	0.15	2.10	16.1		0.32	24.5		0.33	>	41.38	NA	NA	Slightly high variability
90-12-0	1-Methylnaphthalene	8270C	mg/kg	22	99	1.2	D3, P3	0.32	2.5	D3, P3	0.33	>	70.27	NA	NA	High variability
91-57-6	2-Methylnaphthalene	8270C	mg/kg	310	4100	1.7		0.32	3.6		0.33	>	71.70	NA	NA	High variability
91-20-3	Naphthalene	8270C	mg/kg	3.60	18	2.9		0.32	7.1		0.33	>	84.00	NA	NA	High variability
85-01-8	Phenanthrene	8270C	mg/kg			112		3.2	234		6.6	>	70.52	NA	NA	High variability
129-00-0	Pyrene	8270C	mg/kg	1700	17000	117		3.2	1.1		0.33	>	196.27	NA	NA	High variability

USEPA RSLs: United States Environmental Protection Agency Regional Screening Levels

*: For sample/duplicate results < 5 times the reporting limit, the absolute difference between the results (sample-duplicate) is used for comparison to the Report Limit. A difference < 2x the Report Limit is considered "acceptable", a difference ≤ 2x "acceptable" limit is slightly high, a difference > 2x "acceptable" limit is high.
For sample/duplicate results > 5 times the reporting limit, the percentage of the Relative Percent Difference (RPD) is calculated. A percent RPD <35% = good/acceptable, a percent RPD >35% but <50% = slightly high variability, and a percent RPD >50% = high variability.

ND: Non-detect

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

NA: Not applicable