

Table 5: Palmerton – ATSDR Investigation October 16-17, 2018 Duplicate Soil Samples & Rinsate Blanks

SAMPLE #:	SAMPLE ID:	DATE:	TIME	% Moisture in Soil**	SOIL pH 1:1 DI H2O Leach (pH units)	RESULTS: (1 ppm = 1 mg/kg) (Statewide Health Standard)											
						Pb (450 mg/kg)		Cd (38 mg/kg)		Cr (Cr3 = 190000 mg/kg Cr6 = 4 mg/kg)		Zn (12,000 mg/kg)		Ni (650 mg/kg)		Cu (8,100 mg/kg)	
						LAB	% RPD	LAB	% RPD	LAB	% RPD	LAB	% RPD	LAB	% RPD	LAB	% RPD
2224573	PBP S-6	10/16/18	1022	20.75 %	6.38	485.00	9.73%	73.90	12.08%	42.50	28.80%	7866.00	18.06%	71.90	0.28%	113.00	
2224593	BD-01	10/16/18	0000	21.15 %	7.03	440.00		83.40		31.80		9428.00		72.10		110.00	2.69%
2224585	PHS S-17	10/17/18	1030	17.30 %	7.32	*69.10		8.19		27.50	0.36%	702.00		18.30		37.90	
2224586	BD-02	10/17/18	0000	19.14 %	7.41	*53.90	24.72%	7.25	12.18%	27.60		625.00	11.61%	31.00	51.52%	161.00	123.78%
2224582	RB-01	10/16/18	1530	Rinsate	Blank	<0.001 mg/L		<0.0002 mg/L		<0.004 mg/L		<0.005 mg/L		<0.004 mg/L		0.006 mg/L	
2224588	RB-02	10/17/18	1038	Rinsate	Blank	<0.001 mg/L		<0.0002 mg/L		<0.004 mg/L		<0.005 mg/L		<0.004 mg/L		0.006 mg/L	

###% - > 30% Relative Percent Difference (%RPD)

BD – Blind Duplicates: 2224593 is a duplicate of 2224573

** Sample Holding Time Exceeded (% moisture)

Soil Metals Test Methods – 6010D or *6020B

1 part per million (ppm) = 1 milligram per kilogram (mg/kg)

LAB – PA DEP Bureau of Laboratories

Bold Results - Exceeds the PA Statewide Health Standard

$$\% \text{ RPD} = \frac{|S1-S2|}{(S1+S2) \div 2} \times 100$$

S = Sample Result

RB - Rinsate Blank (mg/L)