



# Phase II ESA Preliminary Findings

- Soil Results

Key						Cell & Text Shading	
Analyte	Abbrev	Ind.	Urb. Bkgrd	Res.	VSL	Color	Meaning
BAP-TEQ	BAP-TEQ	1.5*	0.58	0.076†	mg/kg	Black w/ White Text	Analytical Value exceeds: a) Industrial RSL, or b) VTEC Background Soil Concentration (Arsenic)
Non-PAH SVOCs	SVOC	---	---	---	mg/kg	Grey w/ Black Text	Analytical Value exceeds: a) Residential RSL or VSL (when applicable)
Antimony	Antimony	470	---	27.1*	mg/kg	Applies to BAP-TEQ Only	
Arsenic	Arsenic	16*	---	---	mg/kg	Orange w/ White Text	Analytical Value Exceeds VTEC Urban Background Soil Concentration (0.58 mg/kg)
Lead	Lead	800	---	400	mg/kg	Yellow w/ Black Text	Analytical Value Exceeds Residential VSL (0.06 mg/kg) but is Less than the VTEC Urban Background Soil Concentration (0.58 mg/kg)
Other Metals	Metals	---	---	---	mg/kg	Green w/ Black Text	Analytical Value is less than Residential VSL (0.06 mg/kg)
PCBs	PCB	---	---	---	mg/kg		

\* Indicates VTEC Background Soil Concentration  
† Indicates VSL

**Legend**

- Deep Soil Boring (Finished as Monitoring Well)
- Shallow Soil Boring (0-2)
- Parcel Boundary (Approximate)

**Notes:**

- Ind./Res.: industrial/residential
- RSL: EPA Residential Screening Level
- VSL: Vermont Screening Level from the July 27, 2013 Bulletin
- Urb. Bkgrd.: VTEC Urban Background Soil Concentration (RLLIF, 2017)
- BAP-TEQ: benzo(a)pyrene toxicity equivalent
- PAHs: polycyclic aromatic hydrocarbon
- PCB: polychlorinated biphenyl
- SVOCs: semi-volatile organic compounds
- VOC: volatile organic compounds
- NA: not analyzed
- ND: no detections
- NE: no exceedances

**Figure 3: SOIL ANALYTICAL RESULTS FORMER MACHIA ESTATE / TOWN GARAGE 14 ST. ARMAND RD. & 3119 VT STATE HWY 78 HIGHGATE, VERMONT**

The Johnson Company  
100 State Street, Suite 600 Montpelier, VT 05602  
Drawn by: SGH Date: 12/15/17  
Annot by: JKM Date: 12/15/17  
Scale: 1 in = 50 ft Project: 1-1470-21

