

**Table 4-3**  
**Analytical Results - Synthetic Precipitation Leaching Procedure**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Analyte CAS-RN Units	TOTAL ANTIMONY 7440-36-0 mg/kg		SPLP ANTIMONY 7440-36-0 ug/l		TOTAL NICKEL 7440-02-0 mg/kg		SPLP NICKEL 7440-02-0 ug/l		VOLUME VOL l		WEIGHT WT kg		DRY WEIGHT DWT kg		PH pH su	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
EF-101	2.0 - 2.5 ft	EF-B101-2.0-2.5	JB15645-8	9/6/2012	N	62.7															
EF-101	2.0 - 2.5 ft	EF-B101-2.0-2.5	JB15645-8A	9/6/2012	N			2.4	J					2.010		0.1005		0.09290		7.61	
EF-103	0.5 - 1.0 ft	EF-B103-0.5-1.0	JB15645-7	9/6/2012	N					166											
EF-103	0.5 - 1.0 ft	EF-B103-0.5-1.0	JB15645-7A	9/6/2012	N							4.4	J	2.008		0.1004		0.08193		7.43	
EF-104	0.3 - 0.8 ft	EF-B104-0.3-0.8	JB16686-2A	9/18/2012	N					48.3											
EF-104	0.3 - 0.8 ft	EF-B104-0.3-0.8	JB16686-2	9/18/2012	N							5.3	J	2.000		0.1000		0.08470		7.54	
EF-107	0.5 - 1.0 ft	EF-B107-0.5-1.0	JB16184-5	9/12/2012	N					25.2											
EF-107	0.5 - 1.0 ft	EF-B107-0.5-1.0	JB16184-5A	9/12/2012	N							< 0.94	U	2.002		0.1001		0.08640		10.26	
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5	JB15919-4	9/10/2012	N	2.3				19.4											
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5	JB15919-4A	9/10/2012	N			2.7	J			3.7	J	2.006		0.1003		0.07990		8.10	
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5X	JB15919-5	9/10/2012	FD	1.6	J			20.0											
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5X	JB15919-5A	9/10/2012	FD			2.6	J			3.6	J	2.004		0.1002		0.07930		7.60	
EF-109	1.0 - 1.5 ft	EF-B109-1.0-1.5	JB15988-14	9/11/2012	N	1.0	J			15.4											
EF-109	1.0 - 1.5 ft	EF-B109-1.0-1.5	JB15988-14A	9/11/2012	N			4.4	J			3.1	J	2.008		0.1004		0.08380		6.81	
EF-110	0.2 - 0.7 ft	EF-B110-0.2-0.7	JB15988-2	9/11/2012	N					32.3											
EF-110	0.2 - 0.7 ft	EF-B110-0.2-0.7	JB15988-2A	9/11/2012	N							3.6	J	2.004		0.1002		0.08750		8.87	
EF-111	0.1 - 0.6 ft	EF-B111-0.1-0.6	JB15988-12	9/11/2012	N					31.4											
EF-111	0.1 - 0.6 ft	EF-B111-0.1-0.6	JB15988-12A	9/11/2012	N							3.6	J	2.004		0.1002		0.08520		8.05	
EF-115	0.5 - 1.0 ft	EF-B115-0.5-1.0	JB15502-4	9/5/2012	N	2.9	J			22.1											
EF-115	0.5 - 1.0 ft	EF-B115-0.5-1.0	JB15502-4A	9/5/2012	N			1.5	J			2.8	J	2.004		0.1002		0.08390		9.09	
EF-115	2.0 - 2.5 ft	EF-B115-2.0-2.5	JB15502-3	9/5/2012	N	1.4	J			17.4											
EF-115	2.0 - 2.5 ft	EF-B115-2.0-2.5	JB15502-3A	9/5/2012	N			2.9	J			2.3	J	2.002		0.1001		0.08640		8.30	
EF-115	4.0 - 4.5 ft	EF-B115-4.0-4.5	JB15502-2	9/5/2012	N	4.2	J			5.8											
EF-115	4.0 - 4.5 ft	EF-B115-4.0-4.5	JB15502-2A	9/5/2012	N			5.7	J			2.2	J	2.000		0.1000		0.07430		8.27	
EF-117	2.0 - 2.5 ft	EF-B117-2.0-2.5	JB15502-8	9/5/2012	N	0.57	J			11.1											
EF-117	2.0 - 2.5 ft	EF-B117-2.0-2.5	JB15502-8A	9/5/2012	N			4.2	J			6.9	J	2.000		0.1000		0.08950		8.78	
EF-117	4.0 - 4.5 ft	EF-B117-4.0-4.5	JB15502-7	9/5/2012	N	0.38	J			15.2											
EF-117	4.0 - 4.5 ft	EF-B117-4.0-4.5	JB15502-7A	9/5/2012	N			1.9	J			5.0	J	2.000		0.1000		0.08400		8.00	
EF-120	0.5 - 1.0 ft	EF-B120-0.5-1.0	JB15252-9	8/31/2012	N					14.8											
EF-120	0.5 - 1.0 ft	EF-B120-0.5-1.0	JB15252-9A	8/31/2012	N							1.4	J	2.000		0.1000		0.09230		11.39	
EF-120	0.5 - 1.0 ft	EF-B120-0.5-1.0X	JB15252-8	8/31/2012	FD					19.8											
EF-120	0.5 - 1.0 ft	EF-B120-0.5-1.0X	JB15252-8A	8/31/2012	FD							1.6	J	2.000		0.1000		0.09210		11.39	
EF-122	1.0 - 1.5 ft	EF-B122-1.0-1.5	JB15919-1	9/10/2012	N	7.0				39.3											
EF-122	1.0 - 1.5 ft	EF-B122-1.0-1.5	JB15919-1A	9/10/2012	N			2.9	J			4.1	J	2.010		0.1005		0.07860		7.18	
EF-122	3.0 - 3.5 ft	EF-B122-3.0-3.5	JB15919-2	9/10/2012	N	7.4				21.5											
EF-122	3.0 - 3.5 ft	EF-B122-3.0-3.5	JB15919-2A	9/10/2012	N			37.1	J			2.0	J	2.004		0.1002		0.07230		8.13	
EF-122	4.5 - 5.0 ft	EF-B122-4.5-5.0	JB15919-3	9/10/2012	N	37.9				76.8											
EF-122	4.5 - 5.0 ft	EF-B122-4.5-5.0	JB15919-3A	9/10/2012	N			4.0	J			3.0	J	2.010		0.1005		0.07380		7.60	
EF-123	0.2 - 0.7 ft	EF-B123-0.2-0.7	JB15786-3	9/7/2012	N	2.7															
EF-123	0.2 - 0.7 ft	EF-B123-0.2-0.7	JB15786-3A	9/7/2012	N			5.1	J					2.006		0.1003		0.08730		9.10	
EF-123	3.0 - 3.5 ft	EF-B123-3.0-3.5	JB15786-2	9/7/2012	N	7.7															
EF-123	3.0 - 3.5 ft	EF-B123-3.0-3.5	JB15786-2A	9/7/2012	N			7.2	J					2.010		0.1005		0.07620		7.77	
EF-123	5.0 - 5.5 ft	EF-B123-5.0-5.5	JB15786-1	9/7/2012	N	5.2															
EF-123	5.0 - 5.5 ft	EF-B123-5.0-5.5	JB15786-1A	9/7/2012	N			12.8	J					2.008		0.1004		0.06930		7.57	
EF-124	0.6 - 1.1 ft	EF-B124-0.6-1.1	JB15380-8	9/4/2012	N					12.4											
EF-124	0.6 - 1.1 ft	EF-B124-0.6-1.1	JB15380-8A	9/4/2012	N							< 0.94	U	2.006		0.1003		0.09000		10.52	
EF-125	1.0 - 1.5 ft	EF-B125-1.0-1.5	JB15124-5	8/30/2012	N					36.6											
EF-125	1.0 - 1.5 ft	EF-B125-1.0-1.5	JB15124-5A	8/30/2012	N							< 0.94	U	2.010		0.1005		0.08890		11.17	
EF-125	1.0 - 1.5 ft	EF-B125-1.0-1.5X	JB15124-4	8/30/2012	FD					38.8											
EF-125	1.0 - 1.5 ft	EF-B125-1.0-1.5X	JB15124-4A	8/30/2012	FD							< 0.94	U	2.006		0.1003		0.08910		11.12	
EF-126	1.0 - 1.5 ft	EF-B126-1.0-1.5	JB15124-3	8/30/2012	N					13.2											
EF-126	1.0 - 1.5 ft	EF-B126-1.0-1.5	JB15124-3A	8/30/2012	N							4.8	J	2.004		0.1002		0.09110		8.02	
EF-127	1.0 - 1.5 ft	EF-B127-1.0-1.5	JB15124-2	8/30/2012	N					18.9											
EF-127	1.0 - 1.5 ft	EF-B127-1.0-1.5	JB15124-2A	8/30/2012	N							4.9	J	2.000		0.1000		0.08490		8.11	
EF-91	2.0 - 2.5 ft	EF-B091-2.0-2.5	JB15125-4	8/30/2012	N					90.0											

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Location	Depth Interval	Sample ID	Lab ID	Date Collected	Analyte CAS-RN Units	TOTAL ANTIMONY 7440-36-0 mg/kg		SPLP ANTIMONY 7440-36-0 ug/l		TOTAL NICKEL 7440-02-0 mg/kg		SPLP NICKEL 7440-02-0 ug/l		VOLUME VOL l		WEIGHT WT kg		DRY WEIGHT DWT kg		PH pH su	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
EF-91	2.0 - 2.5 ft	EF-B091-2.0-2.5	JB15125-4A	8/30/2012	N							< 0.94	U	2.006		0.1003		0.07240		8.76	
EF-91	4.0 - 4.5 ft	EF-B091-4.0-4.5	JB15125-1	8/30/2012	N					47.2											
EF-91	4.0 - 4.5 ft	EF-B091-4.0-4.5	JB15125-1A	8/30/2012	N							< 0.94	U	2.000		0.1000		0.06750		7.75	
EF-91	4.0 - 4.5 ft	EF-B091-4.0-4.5X	JB15125-2	8/30/2012	FD					55.5											
EF-91	4.0 - 4.5 ft	EF-B091-4.0-4.5X	JB15125-2A	8/30/2012	FD							< 0.94	U	2.004		0.1002		0.06880		8.34	
EF-99	0.5 - 1.0 ft	EF-B099-0.5-1.0	JB15380-5	9/4/2012	N	1.1	J														
EF-99	0.5 - 1.0 ft	EF-B099-0.5-1.0	JB15380-5A	9/4/2012	N			6.9	J					2.004		0.1002		0.08790		9.19	
EF-99	0.5 - 1.0 ft	EF-B099-0.5-1.0X	JB15380-4	9/4/2012	FD	1.2	J														
EF-99	0.5 - 1.0 ft	EF-B099-0.5-1.0X	JB15380-4A	9/4/2012	FD			< 1.4	U					2.000		0.1000		0.08640		8.94	

**Notes:**

1. Depths are presented in feet below ground surface (bgs).
  2. Sample Type = N indicates normal original sample; FD indicates duplicate sample.
- CAS-RN = Chemical Abstract Service Registry Number  
ft = feet  
ID = Identification  
kg = kilogram  
l = liter  
mg/kg = milligram per kilogram  
su = standard units  
ug/l = microgram per liter
- J - Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.  
U - Indicates the analyte was not detected in the sample above the sample reporting limit.  
UJ - Indicates the analyte was not detected above the reporting limit and the reporting limit was approximate.