

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
10W-J33A	3.0 - 3.5 ft	10W-J33A-3.0-3.5	JB67595-3A	5/22/2014	N	5.7	3.2		32.9		< 0.48	U		
10W-J33A	5.0 - 5.5 ft	10W-J33A-5.0-5.5	JB67595-4A	5/22/2014	N	5.7	1.9	J	34.6		< 0.41	U		
10W-J35A	3.0 - 3.5 ft	10W-J35A-3.0-3.5	JB67595-15A	5/22/2014	N	5.6	2.6		32.6		< 0.41	U		
10W-J35A	5.0 - 5.5 ft	10W-J35A-5.0-5.5	JB67595-16A	5/22/2014	N	5.6	13.3	J	36.0		1.2	J		
10W-J35A	5.0 - 5.5 ft	10W-J35A-5.0-5.5X	JB67595-19A	5/22/2014	FD	5.6	8.2	J	50.6		< 1.3	U		
10W-L35A	4.5 - 5.0 ft	10W-L35A-4.5-5.0	JB67379-3A	5/20/2014	N	5.1	< 1.7	U	672		< 2.7	U		
10W-L39A	4.5 - 5.0 ft	10W-L39A-4.5-5.0	JB67304-11A	5/19/2014	N	4.8	2.4		22.6		< 0.49	U		
114-MW20A	0.5 - 1.0 ft	PPG-114-20AA(0.5-1.0)20060724	J36493-3	7/24/2006	N	7.7	< 2.2	UJ	28.2		< 1.1	U		
114-MW20A	4.5 - 5.0 ft	PPG-114-20AB(4.5-5.0)20060724	J36493-4	7/24/2006	N	7.7	8.7	J	18.7		< 1.5	U		
114-MW21B	0.6 - 1.0 ft	114-21BA (0.6-1.0)20060711	J35320-5A	7/11/2006	N	6.4	6.6	J	93.3	J	< 1.3	UJ		
114-MW21B	2.7 - 3.1 ft	114-21BB (2.7-3.1)20060711	J35320-6A	7/11/2006	N	6.4	< 2.6	UJ	104	J	< 1.3	UJ		
114-MW21B	5.0 - 6.0 ft	114-MW21BC(5-6)20061005	J43005-1	10/5/2006	N	6.4	7.8	J	357		< 2.6	UJ		
132-B1	0.0 - 0.7 ft	132B1A_0.0-0.7_803864	803864	1/30/2007	N	8.1	< 1.3	UJ	16.4		< 1.3	U		
132-B1	1.0 - 1.9 ft	132B1B_1.0-1.9_803865	803865	1/30/2007	N	8.1	< 1.1	UJ	9.3		< 1.1	U		
132-B1	4.4 - 4.8 ft	132B1E_4.4-4.8_804219	804219	1/31/2007	N	8.1	< 1.4	UJ	9.9		< 1.2	U		
132-B2	0.0 - 0.8 ft	132B2A_0.0-0.8_803855	803855	1/30/2007	N	7.5	< 1.2	UJ	14		< 1.2	U		
132-B2	0.0 - 0.8 ft	132B2AD_0.0-0.8_803856	803856	1/30/2007	FD	7.5	< 1.2	UJ	10.1		< 1.2	U		
132-B2	4.4 - 4.9 ft	132B2B_4.4-4.9_803857	803857	1/30/2007	N	7.5	< 1.5	UJ	13.2		< 1.5	U		
132-B2	5.0 - 5.5 ft	132B2C_5.0-5.5_803859	803859	1/30/2007	N	7.5	< 1.3	UJ	8.3		< 1.2	U		
132-B2	6.0 - 6.5 ft	132B2E_6.0-6.5_803870	803870	1/30/2007	N	7.5	< 1.4	UJ	15.6		< 1.3	U		
133-B7	0.8 - 1.3 ft	133B7A(0.8-1.3)J48474-14	J48474-14	12/7/2006	N	4.3	< 2.3	UJ	14.5	J	< 1.1	U		
133-B7	2.3 - 2.4 ft	133B7B(2.3-2.4)J48474-15	J48474-15	12/7/2006	N	4.3	< 2.2	UJ	36.3	J	< 1.1	U		
135-B12	0.7 - 1.2 ft	135-B12A(0.7-1.2)J48979-9	J48979-9	12/12/2006	N	4.5	< 2.1	UJ	14.7		< 1.1	U		
135-B12	1.5 - 2.0 ft	135-B12B(1.5-2.0)J48979-10	J48979-10	12/12/2006	N	4.5	3.7	J	19.9		< 1.3	U		
135-B12	2.9 - 3.4 ft	135-B12C(2.9-3.4)J48979-11	J48979-11	12/12/2006	N	4.5	< 2.2	UJ	9.7		< 1.1	U		
135-B12	3.7 - 4.2 ft	135-B12D(3.7-4.2)J48979-12	J48979-12	12/12/2006	N	4.5	< 2.7	UJ	18.7		< 1.4	U		
135-B13	0.0 - 0.5 ft	135-B13A(0.0-0.5)J48979-14	J48979-14	12/12/2006	N	3.9	4.5	J	24.1		< 1.2	U		
135-B13	1.0 - 1.5 ft	135-B13B(1.0-1.5)J48979-15	J48979-15	12/12/2006	N	3.9	6.3	J	20.7		< 1.2	U		
135-B13	3.7 - 4.1 ft	135-B13C(3.7-4.1)J48979-16	J48979-16	12/12/2006	N	3.9	< 2.8	UJ	23.3		< 1.4	U		
135-B14	0.8 - 1.3 ft	135-B14A(0.8-1.3)J48979-3	J48979-3	12/12/2006	N	3.5	16	J	24.6		< 1.1	U		
135-B14	2.9 - 3.4 ft	135-B14B(2.9-3.4)J48979-4	J48979-4	12/12/2006	N	3.5	44.3	J	30.1		< 1.2	U		
135-B14	3.4 - 3.8 ft	135-B14C(3.4-3.8)J48979-5	J48979-5	12/12/2006	N	3.5	3.5	J	14.3		< 1.2	U		
135-B15	0.6 - 1.1 ft	135-B15A(0.6-1.1)J48979-18	J48979-18	12/12/2006	N	3.7	50.3	J	28		< 1.1	U		
135-B15	2.2 - 2.2 ft	135-B15B(2.2-2.2)J48979-19	J48979-19	12/12/2006	N	3.7	< 2.6	UJ	14.1		< 1.3	U		
135-B16	0.7 - 1.2 ft	135-B16A(0.7-1.2)J49116-2	J49116-2	12/13/2006	N	4	5.1	J	31.3		< 2.6	U		
135-B16	2.0 - 2.4 ft	135-B16B(2.0-2.4)J49116-3	J49116-3	12/13/2006	N	4	< 2.3	UJ	17.4		< 1.2	U		

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Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
135-B17	0.9 - 1.4 ft	135-B17A(0.9-1.4)J49116-5	J49116-5	12/13/2006	N	4.1	3.2	J	11.5		< 1.1	U		
135-B17	2.4 - 2.9 ft	135-B17B(2.4-2.9)J49116-6	J49116-6	12/13/2006	N	4.1	< 2.4	UJ	9.5		< 1.2	U		
135-B17	4.0 - 4.5 ft	135-B17C(4.0-4.5)J49116-7	J49116-7	12/13/2006	N	4.1	< 3	UJ	23.7		< 1.5	U		
135-B18	0.6 - 1.1 ft	135 B18A(0.6-1.1)J49116-10	J49116-10	12/13/2006	N	3.9	3.6	J	27.1		< 1.1	U		
135-B18	2.8 - 3.3 ft	135 B18B(2.8-3.3)J49116-11	J49116-11	12/13/2006	N	3.9	< 2.6	UJ	16.3		< 1.3	U		
135-B19	1.3 - 1.8 ft	135-B19A (1.3-1.8)J49116-8	J49116-8	12/13/2006	N	4.3	< 2.3	UJ	61.1		< 1.2	U		
135-B19	2.1 - 2.6 ft	135-B19B (3.3-3.8)J49116-9	J49116-9	12/13/2006	N	4.3	2.7	J	26.1		< 1.3	U		
135-B19	3.3 - 3.8 ft	135 B19C(3.3-3.8)J49116-17	J49116-17	12/13/2006	N	4.3	< 2.7	UJ	21.3		< 1.3	U		
135-B4	0.7 - 1.6 ft	135-B4A(0.7-1.6)J48979-7	J48979-7	12/12/2006	N	5.5	< 2.2	UJ	18.8		< 1.1	U		
135-B4	2.1 - 2.6 ft	135-B4B(2.1-2.6)DUPJ48979-23	J48979-23	12/12/2006	FD	5.5	4.3	J	70.6		< 1.3	U		
135-B4	2.1 - 2.6 ft	135-B4B(2.1-2.6)J48979-22	J48979-22	12/12/2006	N	5.5	< 2.8	UJ	43.1		< 1.4	U		
135-B4	4.0 - 4.5 ft	135-B4C(4.0-4.5)J48979-8	J48979-8	12/12/2006	N	5.5	15.8	J	23.3		< 1.2	U		
135-B5	0.7 - 1.1 ft	135-B5A_0.7-1.1_816973	816973	3/27/2007	N	5.6	< 1.2	UJ	5	J	< 1	U		
135-B5	1.1 - 1.8 ft	135-B5B_1.1-1.8_816974	816974	3/27/2007	N	5.6	< 1.2	UJ	6.6	J	< 1	U		
135-B5	1.8 - 2.7 ft	135-B5C_1.8-2.7_816975	816975	3/27/2007	N	5.6	< 1.3	UJ	11.6	J	< 1.1	U		
135-B5	4.7 - 5.8 ft	135-B5D_4.7-5.8_816976	816976	3/27/2007	N	5.6	< 1.3	UJ	18.3	J	< 1.2	U		
135-B6	0.8 - 2.0 ft	135-B6A_0.8-2.0_816549	816549	3/26/2007	N	3.8	< 1.6	UJ	24.8	J	< 1.3	U		
135-B6	2.0 - 3.4 ft	135-B6B_2.0-3.4_816550	816550	3/26/2007	N	3.8	9.9	J	12.8	J	< 1.2	U		
135-MW1C	0.6 - 1.1 ft	PPG 1351CA(0.6-1.1)J49116-13	J49116-13	12/13/2006	N	3.2	2.8	J	24.8		< 1.2	U		
135-MW1C	1.8 - 2.3 ft	PPG 1351CB(1.8-2.3) DUPJ49116-15	J49116-15	12/13/2006	FD	3.2	6.9	J	29.2		< 1.3	U		
135-MW1C	1.8 - 2.3 ft	PPG 1351CB(1.8-2.3)J49116-14	J49116-14	12/13/2006	N	3.2	6.5	J	20.8		< 1.3	U		
A6	0.0 - 0.5 ft	A6S0-.5	668994	9/2/2003	N	5.4	14.7	J	66.6	J	< 1.3	U		
A6	1.5 - 2.0 ft	A6S1.5-2	668995	9/2/2003	N	5.4	< 0.45	UJ	8.1	J	< 1.2	U		
A6	4.0 - 4.5 ft	A6S4-4.5	668996	9/2/2003	N	5.4	< 0.44	UJ	12.6	J	< 1.2	U		
BC8	0.5 - 1.0 ft	BC8S0.5-1	669416	9/3/2003	N	6.2	3.9	BJ	90.8	J	< 1.8	U		
BC8	1.0 - 1.5 ft	BC8S1-1.5	669421	9/3/2003	N	6.2	33.5		171	J				
BC8	1.0 - 1.5 ft	BC8S1-1.5)	707964	9/3/2003	N	6.2					0.68			
BC8	1.5 - 2.0 ft	BC8S1.5-2	669419	9/3/2003	N	6.2	12.4		11.5	J				
BC8	1.5 - 2.0 ft	BC8S1.5-2)	707963	9/3/2003	N	6.2					< 0.2	U		
CAR-PDI-AA19A	0.5 - 1.0 ft	CAR-PDI-AA19A-0.5-1.0	JC22070-2A	6/13/2016	N	5.4	< 1.0	UJ	159		1.9	J		
CAR-PDI-AA19A	2.0 - 2.5 ft	CAR-PDI-AA19A-2.0-2.5	JC22070-9A	6/13/2016	N	5.4	< 1.0	UJ	73.5		1.4	J		
CAR-PDI-AA19A	4.0 - 4.5 ft	CAR-PDI-AA19A-4.0-4.5	JC22070-10A	6/13/2016	N	5.4	< 0.31	UJ	6.4		< 0.43	U		
EF-03	2.5 - 3.0 ft	EF-B03-2.5	460-25190-3	4/11/2011	N	5.1	< 0.94	UJ	19.8		< 1.0	U		
EF-04	2.5 - 3.0 ft	EF-B04-2.5	460-25190-7	4/11/2011	N	4.6	< 0.97	UJ	7.4	J	< 1.1	U		
EF-04B	2.5 - 3.0 ft	EF-B04B-2.5	460-25350-12	4/14/2011	N	4.6	< 0.96	U	29.8	J	< 1.1	U		
EF-05	2.5 - 3.0 ft	EF-B05-2.5	460-25190-11	4/11/2011	N	4.2	< 1.0	UJ	19.4		< 1.1	U		

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							Result	Qualifier	Result	Qualifier	Result	Qualifier		
EF-06	2.5 - 3.0 ft	EF-B06-2.5	460-25254-12	4/12/2011	N	4	4.3	J	27.0		< 1.2	U		
EF-09	2.5 - 3.0 ft	EF-B09-2.5	460-25350-16	4/14/2011	N	5.7	< 1.1	U	10.2	J	< 1.2	U		
EF-09	2.5 - 3.0 ft	EF-B09-2.5X	460-25350-17	4/14/2011	FD	5.7	< 1.0	U	11.9	J	< 1.1	U		
EF-101	2.0 - 2.5 ft	EF-B101-2.0-2.5	JB15645-8	9/6/2012	N	3.5	62.7							
EF-103	0.5 - 1.0 ft	EF-B103-0.5-1.0	JB15645-7	9/6/2012	N	4.4			166					
EF-104	0.3 - 0.8 ft	EF-B104-0.3-0.8	JB16686-2A	9/18/2012	N	4.9			48.3					
EF-107	0.5 - 1.0 ft	EF-B107-0.5-1.0	JB16184-5	9/12/2012	N	6.7			25.2					
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5	JB15919-4	9/10/2012	N	7.4	2.3		19.4					
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5X	JB15919-5	9/10/2012	FD	7.4	1.6	J	20.0					
EF-109	1.0 - 1.5 ft	EF-B109-1.0-1.5	JB15988-14	9/11/2012	N	7	1.0	J	15.4					
EF-11	2.5 - 3.0 ft	EF-11-2.5	460-26239-13	5/6/2011	N	3.8	8.0	J	6.4	J	< 1.1	U		
EF-110	0.2 - 0.7 ft	EF-B110-0.2-0.7	JB15988-2	9/11/2012	N	4.5			32.3					
EF-110A	0.8 - 1.3 ft	EF-B110A-0.8-1.3	JB97556-3A	6/20/2015	N	4.2	1.4	J	23.2		< 1.1	U		
EF-110A	2.0 - 2.5 ft	EF-B110A-2.0-2.5	JB97556-4A	6/20/2015	N	4.2	< 0.36	U	14.7		< 0.22	U		
EF-110A	3.0 - 3.5 ft	EF-B110A-3.0-3.5	JB97556-5A	6/20/2015	N	4.2	< 0.38	U	14.6		< 0.23	U		
EF-111	0.1 - 0.6 ft	EF-B111-0.1-0.6	JB15988-12	9/11/2012	N	4			31.4					
EF-111A	0.4 - 0.9 ft	EF-B111A-0.4-0.9	JB98041-3A	6/27/2015	N	4	1.3	J	21.0		< 1.2	U		
EF-111A	2.0 - 2.5 ft	EF-B111A-2.0-2.5	JB98041-4A	6/27/2015	N	4	< 0.35	UJ	12.9		0.35	J		
EF-111A	3.0 - 3.5 ft	EF-B111A-3.0-3.5	JB98041-5A	6/27/2015	N	4	< 0.32	UJ	15.2		0.72	J		
EF-112A	2.0 - 2.5 ft	EF-B112A-2.0-2.5	JB61703-1A	3/12/2014	N	4.1	1.1	J	316		1.8	J		
EF-112A	4.0 - 4.5 ft	EF-B112A-4.0-4.5	JB61703-21A	3/12/2014	N	4.1	0.80	J	15.5		< 0.36	U		
EF-117	2.0 - 2.5 ft	EF-B117-2.0-2.5	JB15502-8	9/5/2012	N	6	0.57	J	11.1					
EF-117	4.0 - 4.5 ft	EF-B117-4.0-4.5	JB15502-7	9/5/2012	N	6	0.38	J	15.2					
EF-120	0.5 - 1.0 ft	EF-B120-0.5-1.0	JB15252-9	8/31/2012	N	6.7			14.8					
EF-120	0.5 - 1.0 ft	EF-B120-0.5-1.0X	JB15252-8	8/31/2012	FD	6.7			19.8					
EF-122	1.0 - 1.5 ft	EF-B122-1.0-1.5	JB15919-1	9/10/2012	N	5.4	7.0		39.3					
EF-122	3.0 - 3.5 ft	EF-B122-3.0-3.5	JB15919-2	9/10/2012	N	5.4	7.4		21.5					
EF-122	4.5 - 5.0 ft	EF-B122-4.5-5.0	JB15919-3	9/10/2012	N	5.4	37.9		76.8					
EF-123	0.2 - 0.7 ft	EF-B123-0.2-0.7	JB15786-3	9/7/2012	N	5.5	2.7							
EF-123	3.0 - 3.5 ft	EF-B123-3.0-3.5	JB15786-2	9/7/2012	N	5.5	7.7							
EF-123	5.0 - 5.5 ft	EF-B123-5.0-5.5	JB15786-1	9/7/2012	N	5.5	5.2							
EF-124	0.6 - 1.1 ft	EF-B124-0.6-1.1	JB15380-8	9/4/2012	N	3.7			12.4					
EF-125	1.0 - 1.5 ft	EF-B125-1.0-1.5	JB15124-5	8/30/2012	N	6.8			36.6					
EF-125	1.0 - 1.5 ft	EF-B125-1.0-1.5X	JB15124-4	8/30/2012	FD	6.8			38.8					
EF-126	1.0 - 1.5 ft	EF-B126-1.0-1.5	JB15124-3	8/30/2012	N	6.5			13.2					
EF-127	1.0 - 1.5 ft	EF-B127-1.0-1.5	JB15124-2	8/30/2012	N	6.3			18.9					

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							Result	Qualifier	Result	Qualifier	Result	Qualifier		
EF-14	2.5 - 3.0 ft	EF-14-2.5	460-26239-8	5/6/2011	N	4.8	2.7	J	13.3		< 1.6	U		
EF-17	2.5 - 3.0 ft	EF-B17-2.5	460-25550-41	4/19/2011	N	3.8	2.8	J	48.7		< 1.1	U		
EF-18	2.5 - 3.0 ft	EF-B18-2.5	460-25481-11	4/18/2011	N	3.8	5.8	J	36.9		< 1.1	U		
EF-19	2.5 - 3.0 ft	EF-B19-2.5	460-25550-33	4/19/2011	N	3.9	< 1.0	UJ	15.5		< 1.2	U		
EF-20	2.5 - 3.0 ft	EF-B20-2.5	460-25481-7	4/18/2011	N	3.4	< 0.99	UJ	19.3		< 1.1	U		
EF-21	2.5 - 3.0 ft	EF-B21-2.5	460-25481-3	4/18/2011	N	3.1	2.2	J	65.0		< 1.1	U		
EF-22	2.5 - 3.0 ft	EF-B22-2.5	460-25550-37	4/19/2011	N	3.2	2.2	J	66.3		< 1.1	U		
EF-26	2.5 - 3.0 ft	EF-B26-2.5	460-25416-27	4/15/2011	N	5	1.4	J	17.9		< 1.0	U		
EF-27	2.5 - 3.0 ft	EF-B27-2.5	460-25599-33	4/20/2011	N	5.2	< 1.0	UJ	2.4	J	< 1.1	U		
EF-28	2.5 - 3.0 ft	EF-B28-2.5	460-25599-29	4/20/2011	N	6	2.3	J	88.5		< 1.1	U		
EF-28	5.5 - 6.0 ft	EF-B28-5.5	460-25705-1	4/22/2011	N	6			22.8					
EF-29	2.5 - 3.0 ft	EF-B29-2.5	460-25599-25	4/20/2011	N	7.5	< 1.0	UJ	7.6	J	< 1.1	U		
EF-29	6.5 - 7.0 ft	EF-B29-6.5	460-25705-7	4/22/2011	N	7.5			15.2					
EF-34	2.5 - 3.0 ft	EF-B34-2.5	460-25705-26	4/22/2011	N	6.4	< 1.0	U	15.5		< 1.1	U		
EF-35	2.5 - 3.0 ft	EF-B35-2.5	460-25657-35	4/21/2011	N	5.9	< 1.0	U	11.9		< 1.1	U		
EF-36	2.5 - 3.0 ft	EF-B36-2.5	460-25705-22	4/22/2011	N	6.8	< 1.1	U	8.8	J	< 1.2	U		
EF-37	2.5 - 3.0 ft	EF-B37-2.5	460-25705-30	4/22/2011	N	6.5	2.8		20.8		< 1.1	U		
EF-38	2.5 - 3.0 ft	EF-B38-2.5	460-25705-34	4/22/2011	N	5.6	< 1.1	U	13.7		< 1.2	U		
EF-38A	2.5 - 3.0 ft	EF-B38A-2.5	460-25760-3	4/25/2011	N	5.6	< 1.1	UJ	11.4		< 1.2	U		
EF-41	2.5 - 3.0 ft	EF-B41-2.5	460-25804-27	4/26/2011	N	5.2	< 1.0	U	6.8	J	< 1.2	U		
EF-41	2.5 - 3.0 ft	EF-B41-2.5X	460-25804-28	4/26/2011	FD	5.2	< 1.0	U	6.1	J	< 1.1	U		
EF-42	2.5 - 3.0 ft	EF-B42-2.5	460-25804-32	4/26/2011	N	5.4	6.7		10.3		< 1.2	U		
EF-73A	0.0 - 0.5 ft	EF-73A-0.0-0.5	JB95926-1A	6/1/2015	N	4.2	0.39	J	16.0		< 0.21	UJ		
EF-73A	2.0 - 2.5 ft	EF-73A-2.0-2.5	JB95926-2A	6/1/2015	N	4.2	< 0.38	UJ	28.2		< 0.23	UJ		
EF-73A	4.0 - 4.5 ft	EF-73A-4.0-4.5	JB95926-3A	6/1/2015	N	4.2	0.48	J	18.8		< 0.20	UJ		
EF-91	2.0 - 2.5 ft	EF-B091-2.0-2.5	JB15125-4	8/30/2012	N	4.5	< 0.41	UJ	90.0		3.0			
EF-91	4.0 - 4.5 ft	EF-B091-4.0-4.5	JB15125-1	8/30/2012	N	4.5	10.3	J	47.2		0.57	J		
EF-91	4.0 - 4.5 ft	EF-B091-4.0-4.5X	JB15125-2	8/30/2012	FD	4.5	< 0.21	UJ	55.5		0.86	J		
EF-94	2.5 - 3.0 ft	EF-B94-2.5	460-29902-1	8/12/2011	N	3.4	2.8							
EF-97	2.5 - 3.0 ft	EF-B97-2.5	460-29852-16	8/11/2011	N	3.4			17.1					
EF-98	2.5 - 3.0 ft	EF-B98-2.5	460-29852-17	8/11/2011	N	3.2			27.4					
EF-99	0.5 - 1.0 ft	EF-B099-0.5-1.0	JB15380-5	9/4/2012	N	4.7	1.1	J						
EF-99	0.5 - 1.0 ft	EF-B099-0.5-1.0X	JB15380-4	9/4/2012	FD	4.7	1.2	J						
FBP-131A	1.0 - 1.5 ft	FBP-131A-1.0-1.5	JB66207-2A	5/5/2014	N	6	1.5	J	72.5	J	0.61	J		
FBP-131A	3.0 - 3.5 ft	FBP-131A-3.0-3.5	JB66207-3A	5/5/2014	N	6	1.7	J	31.3	J	< 0.53	U		
FBP-131A	3.0 - 3.5 ft	FBP-131A-3.0-3.5X	JB66207-4A	5/5/2014	FD	6	7.2	J	56.1	J	< 0.52	U		

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
FBP-I31A	5.0 - 5.5 ft	FBP-I31A-5.0-5.5	JB66207-5A	5/5/2014	N	6	1.6	J	21.4	J	< 0.41	U		
FS1	0.3 - 0.8 ft	FS1-0.3-0.8	JB63511-1A	4/1/2014	N	4	0.37	J	16.3		< 0.43	U		
FS1	2.0 - 2.5 ft	FS1-2.0-2.5	JB63511-2A	4/1/2014	N	4	< 0.31	UJ	9.8		< 0.48	U		
FS10	0.0 - 0.5 ft	FS10-0.3-0.8	JB61029-1A	3/4/2014	N	4.3	< 0.24	UJ	12.7		0.37	J		
FS10	2.0 - 2.5 ft	FS10-2.0-2.5	JB61029-2A	3/4/2014	N	4.3	2.0	J	94.5		0.53	J		
FS10	2.0 - 2.5 ft	FS10-2.0-2.5X	JB61029-3A	3/4/2014	FD	4.3	2.6	J	91.3		0.76	J		
FS10	4.0 - 4.5 ft	FS10-4.0-4.5	JB61029-4A	3/4/2014	N	4.3	< 0.28	UJ	20.0		< 0.35	U		
FS11	0.0 - 0.5 ft	FS11-0.0-0.5	JB59711-1A	2/12/2014	N	4.5	0.37	J	19.4		< 0.32	U		
FS11	2.0 - 2.5 ft	FS11-2.0-2.5	JB59711-2A	2/12/2014	N	4.5	1.3	J	107		< 0.36	U		
FS11	4.0 - 4.5 ft	FS11-4.0-4.5	JB59711-3A	2/12/2014	N	4.5	0.38	J	19.0		< 0.36	U		
FS12	0.0 - 0.5 ft	FS12-0.0-0.5	JB59605-1A	2/11/2014	N	4.6	0.82	J	42.6	J	< 0.34	U		
FS12	2.0 - 2.5 ft	FS12-2.0-2.5	JB59605-2A	2/11/2014	N	4.6	7.2	J	224	J	1.5	J		
FS12	4.0 - 4.5 ft	FS12-4.0-4.5	JB59605-3A	2/11/2014	N	4.6	1.5	J	27.6	J	0.94	J		
FS12	4.0 - 4.5 ft	FS12-4.0-4.5X	JB59605-4A	2/11/2014	FD	4.6	1.4	J	35.3	J	0.58	J		
FS13	0.0 - 0.5 ft	FS13-0.0-0.5	JB59311-1	2/6/2014	N	4.9	< 0.27	U	22.8		< 0.34	U		
FS13	2.0 - 2.5 ft	FS13-2.0-2.5	JB59311-2	2/6/2014	N	4.9	3.3		12.3		< 0.34	U		
FS13	2.0 - 2.5 ft	FS13-2.0-2.5X	JB59311-3	2/6/2014	FD	4.9	2.5		11.5		< 0.36	U		
FS13	4.0 - 4.5 ft	FS13-4.0-4.5	JB59311-4	2/6/2014	N	4.9	< 0.32	U	43.7		< 0.39	U		
FS14	0.0 - 0.5 ft	FS14-0.0-0.5	JB60737-1A	2/27/2014	N	4.5	1.6	J	32.0		< 0.35	U		
FS14	2.0 - 2.5 ft	FS14-2.0-2.5	JB60737-2A	2/27/2014	N	4.5	2.8	J	49.1		< 0.34	U		
FS14	2.0 - 2.5 ft	FS14-2.0-2.5X	JB60737-3A	2/27/2014	FD	4.5	1.6	J	39.2		< 0.35	U		
FS14	4.0 - 4.5 ft	FS14-4.0-4.5	JB60737-4A	2/27/2014	N	4.5	1.9	J	18.3		< 0.33	U		
FS15	0.3 - 0.8 ft	FS15-0.3-0.8	JB63136-1A	3/27/2014	N	3.9	0.46	J	15.8		0.68	J		
FS15	2.0 - 2.5 ft	FS15-2.0-2.5	JB63136-2A	3/27/2014	N	3.9	< 0.23	UJ	12.7		0.39	J		
FS16	0.3 - 0.8 ft	FS16-0.3-0.8	JB63591-1A	4/2/2014	N	4	2.1	J	140		0.78	J		
FS16	1.0 - 1.5 ft	FS16-1.0-1.5	JB63591-2A	4/2/2014	N	4	0.55	J	25.9		< 0.47	U		
FS16	3.0 - 3.5 ft	FS16-3.0-3.5	JB63591-3A	4/2/2014	N	4	< 0.34	UJ	17.0		< 0.52	U		
FS17	0.3 - 0.8 ft	FS17-0.3-0.8	JB63402-1A	3/31/2014	N	4.1	< 0.83	U	295		< 1.3	U		
FS17	1.0 - 1.5 ft	FS17-1.0-1.5	JB63402-2A	3/31/2014	N	4.1	0.60	J	40.1		< 0.41	U		
FS17	3.0 - 3.5 ft	FS17-3.0-3.5	JB63402-3A	3/31/2014	N	4.1	3.5	J	39.6		< 2.1	U		
FS18	0.0 - 0.5 ft	FS18-0.0-0.5	JB62136-1A	3/17/2014	N	4.2	< 0.25	UJ	99.9		< 0.31	U		
FS18	2.0 - 2.5 ft	FS18-2.0-2.5	JB62136-2A	3/17/2014	N	4.2	0.43	J	366		2.6	J		
FS18	4.0 - 4.5 ft	FS18-4.0-4.5	JB62136-3A	3/17/2014	N	4.2	< 0.28	UJ	17.1		0.53	J		
FS18	4.0 - 4.5 ft	FS18-4.0-4.5X	JB62136-4A	3/17/2014	FD	4.2	< 0.31	UJ	16.7		0.63	J		
FS21	0.0 - 0.5 ft	FS21-0.0-0.5	JB96227-3A	6/4/2015	N	4.3	5.1	J	7.6		< 0.23	UJ		
FS21	0.0 - 0.5 ft	FS21-0.0-0.5X	JB96227-5A	6/4/2015	FD	4.3	< 0.36	UJ	12.5		< 0.22	UJ		

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
FS21	2.0 - 2.5 ft	FS21-2.0-2.5	JB96227-4A	6/4/2015	N	4.3	< 0.34	UJ	14.5		0.28	J		
FS21	4.0 - 4.5 ft	FS21-4.0-4.5	JB96227-6A	6/4/2015	N	4.3	< 0.39	UJ	16.0		< 0.24	UJ		
FS22	0.0 - 0.5 ft	FS22-0.0-0.5	JB96034-17A	6/2/2015	N	4.4	0.38	J	9.6		< 0.21	UJ		
FS22	0.0 - 0.5 ft	FS22-0.0-0.5X	JB96034-18A	6/2/2015	FD	4.4	< 0.34	U	7.0		< 0.21	UJ		
FS22	2.0 - 2.5 ft	FS22-2.0-2.5	JB96034-19A	6/2/2015	N	4.4	0.35	J	12.6		< 0.19	UJ		
FS22	3.0 - 3.5 ft	FS22-3.0-3.5	JB96138-8A	6/3/2015	N	4.4	< 0.31	UJ	16.6	J	< 0.19	UJ		
FS23	0.3 - 0.8 ft	FS23-0.3-0.8	JB98947-1A	7/11/2015	N	4.8	0.89	J	29.5		0.83	J		
FS23	2.0 - 2.5 ft	FS23-2.0-2.5	JB98947-2A	7/11/2015	N	4.8	< 0.38	UJ	16.7		0.72	J		
FS23	2.0 - 2.5 ft	FS23-2.0-2.5X	JB98947-3A	7/11/2015	FD	4.8	< 0.39	UJ	16.7	FD	0.58	J		
FS23	3.0 - 3.5 ft	FS23-3.0-3.5	JB98947-4A	7/11/2015	N	4.8	< 0.31	UJ	15.8		0.41	J		
FS24	0.0 - 0.5 ft	FS24-0.0-0.5	JB96351-1A	6/5/2015	N	4.9	< 0.31	UJ	10.9		< 0.19	UJ		
FS24	2.0 - 2.5 ft	FS24-2.0-2.5	JB96351-2A	6/5/2015	N	4.9	1.5	J	42.2		< 0.25	UJ		
FS25	0.0 - 0.5 ft	FS25-0.0-0.5	JB97048-1A	6/15/2015	N	4.4	< 0.32	UJ	21.0		< 0.20	U		
FS25	2.0 - 2.5 ft	FS25-2.0-2.5	JB97048-3A	6/15/2015	N	4.4	0.68	J	412		< 0.21	U		
FS25	3.0 - 3.5 ft	FS25-3.0-3.5	JB97048-4A	6/15/2015	N	4.4	< 0.95	UJ	269		0.86	J		
FS3	1.0 - 1.5 ft	FS3-1.0-1.5	JB62507-1A	3/20/2014	N	4.1	< 0.31	UJ	12.4		< 0.38	U		
FS3	3.0 - 3.5 ft	FS3-3.0-3.5	JB62507-2A	3/20/2014	N	4.1	0.51	J	15.5		< 0.30	U		
FS3	3.0 - 3.5 ft	FS3-3.0-3.5X	JB62507-3A	3/20/2014	FD	4.1	0.35	J	14.6		0.41	J		
FS4	1.0 - 1.5 ft	FS4-1.0-1.5	JB62666-1A	3/21/2014	N	4.1	1.2	J	19.4		0.67	J		
FS4	3.0 - 3.5 ft	FS4-3.0-3.5	JB62666-2A	3/21/2014	N	4.1	0.85	J	14.4		< 0.36	U		
FS4	3.0 - 3.5 ft	FS4-3.0-3.5X	JB62666-3A	3/21/2014	FD	4.1	1.1	J	15.7		< 0.39	U		
FS5	0.3 - 0.8 ft	FS5-0.3-0.8	JB63299-1A	3/28/2014	N	4	< 0.29	UJ	77.2		< 0.44	U		
FS5	1.0 - 1.5 ft	FS5-1.0-1.5	JB63299-2A	3/28/2014	N	4	1.4	J	15.6		< 0.80	U		
FS5	3.0 - 3.5 ft	FS5-3.0-3.5	JB63299-3A	3/28/2014	N	4	6.9	J	26.5		< 0.41	U		
FS6	0.0 - 0.5 ft	FS6-0.0-0.5	JB60418-1A	2/24/2014	N	4.1	4.7	J	299		< 0.36	U		
FS6	2.0 - 2.5 ft	FS6-2.0-2.5	JB60418-2A	2/24/2014	N	4.1	3.0	J	280		< 0.36	U		
FS6	4.0 - 4.5 ft	FS6-4.0-4.5	JB60418-3A	2/24/2014	N	4.1	1.4	J	12.0		< 0.34	U		
FS7	0.0 - 0.5 ft	FS7-0.0-0.5	JB60418-14A	2/24/2014	N	4.2	1.8	J	89.6		0.78	J		
FS7	2.0 - 2.5 ft	FS7-2.0-2.5	JB60418-15A	2/24/2014	N	4.2	2.9	J	31.5		< 0.34	U		
FS7	2.0 - 2.5 ft	FS7-2.0-2.5X	JB60418-16A	2/24/2014	FD	4.2	9.3	J	29.1		< 0.34	U		
FS7	4.0 - 4.5 ft	FS7-4.0-4.5	JB60418-17A	2/24/2014	N	4.2	3.8	J	16.0		< 0.38	U		
FS8	0.0 - 0.5 ft	FS8-0.0-0.5	JB60888-1A	2/28/2014	N	4.3	3.5	J	145	RA	< 0.32	U		
FS8	2.0 - 2.5 ft	FS8-2.0-2.5	JB60888-2A	2/28/2014	N	4.3	4.2	J	50.6	RA	0.60	J		
FS8	2.0 - 2.5 ft	FS8-2.0-2.5X	JB60888-3A	2/28/2014	FD	4.3	0.43	J	9.2	RA	0.32	J		
FS8	4.0 - 4.5 ft	FS8-4.0-4.5	JB60888-4A	2/28/2014	N	4.3	1.2	J	25.5	RA	< 0.29	U		
FS9	0.3 - 0.8 ft	FS9-0.3-0.8	JB61122-1A	3/5/2014	N	4.3	0.67	J	14.7		0.61	J		

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
FS9	2.0 - 2.5 ft	FS9-2.0-2.5	JB61122-2A	3/5/2014	N	4.3	< 0.28	UJ	117		0.75	J		
FS9	2.0 - 2.5 ft	FS9-2.0-2.5X	JB61122-3A	3/5/2014	FD	4.3	< 0.27	UJ	106		0.83	J		
FS9	4.0 - 4.5 ft	FS9-4.0-4.5	JB61122-4A	3/5/2014	N	4.3	0.98	J	10.7		< 0.34	U		
FSI1	1.0 - 1.5 ft	FSI1-1.0-1.5	JB64098-1A	4/8/2014	N	4.4	< 2.4	U	85.5		7.6	J		
FSI10	0.0 - 0.5 ft	FSI10-0.0-0.5	JB96351-6A	6/5/2015	N	4.9	< 0.36	UJ	9.2		< 0.22	UJ		
FSI10	1.0 - 1.5 ft	FSI10-1.0-1.5	JB96351-7A	6/5/2015	N	4.9	< 0.34	UJ	15.9		0.21	J		
FSI10	1.0 - 1.5 ft	FSI10-1.0-1.5X	JB96351-8A	6/5/2015	FD	4.9	0.48	J	13.0		< 0.19	UJ		
FSI10	3.0 - 3.5 ft	FSI10-3.0-3.5	JB96351-9A	6/5/2015	N	4.9	< 0.35	UJ	15.1		< 0.22	UJ		
FSI1A	0.8 - 1.3 ft	FSI1A-0.8-1.3	JB96462-4A	6/6/2015	N	4.3	0.42	B	23.1		< 0.24	U		
FSI3	0.5 - 1.0 ft	FSI3-0.5-1.0	JB64643-1A	4/12/2014	N	4.2	0.78	J	15.7		< 0.50	U		
FSI3	1.0 - 1.5 ft	FSI3-1.0-1.5	JB64643-2A	4/12/2014	N	4.2	0.97	J	18.0		< 0.48	U		
FSI3	1.5 - 2.0 ft	FSI3-1.5-2.0	JB64643-3A	4/12/2014	N	4.2	1.1	J	16.7		< 0.47	U		
FSI3	1.5 - 2.0 ft	FSI3-1.5-2.0X	JB64643-4A	4/12/2014	FD	4.2	1.7	J	13.6		< 0.49	U		
FSI3	3.5 - 4.0 ft	FSI3-3.5-4.0	JB64643-5A	4/12/2014	N	4.2	1.2	J	14.7		< 0.54	U		
FSI4A	0.5 - 1.0 ft	FSI4A-0.5-1.0	JB96995-1A	6/13/2015	N	4.1	0.50	J	28.9		< 0.22	U		
FSI4A	2.0 - 2.5 ft	FSI4A-2.0-2.5	JB96995-5A	6/13/2015	N	4.1	< 0.38	UJ	15.6		< 0.23	U		
FSI4A	4.0 - 4.5 ft	FSI4A-4.0-4.5	JB96995-4A	6/13/2015	N	4.1	< 0.37	UJ	12.7		< 0.22	U		
FSI5A	2.0 - 2.5 ft	FSI5A-2.0-2.5	JB96576-2A	6/9/2015	N	4.6	< 0.36	UJ	8.0		< 0.22	U		
FSI5A	3.0 - 3.5 ft	FSI5A-3.0-3.5	JB96576-3A	6/9/2015	N	4.6	< 0.40	UJ	12.1		< 0.24	U		
FSI6A	2.0 - 2.5 ft	FSI6A-2.0-2.5	JB96704-2A	6/10/2015	N	4.2	< 0.31	UJ	13.9		< 0.19	U		
FSI6A	2.0 - 2.5 ft	FSI6A-2.0-2.5X	JB96704-3A	6/10/2015	FD	4.2	< 0.31	UJ	14.4		< 0.19	U		
FSI6A	4.0 - 4.5 ft	FSI6A-4.0-4.5	JB96704-4A	6/10/2015	N	4.2	< 0.32	UJ	16.4		< 0.19	U		
FSI7	0.5 - 1.0 ft	FSI7-0.5-1.0	JB64510-1A	4/11/2014	N	4.7	< 0.35	UJ	14.1		< 0.52	U		
FSI7	2.0 - 2.5 ft	FSI7-2.0-2.5	JB64510-2A	4/11/2014	N	4.7	< 0.34	UJ	16.3		< 0.52	U		
FSI7	4.0 - 4.5 ft	FSI7-4.0-4.5	JB64510-3A	4/11/2014	N	4.7	0.39	J	13.9		0.50	J		
FSI8	0.5 - 1.0 ft	FSI8-0.5-1.0	JB64326-1A	4/10/2014	N	4.9	< 0.34	UJ	13.3		0.97	J		
FSI8	1.0 - 1.5 ft	FSI8-1.0-1.5	JB64326-2A	4/10/2014	N	4.9	< 0.33	UJ	15.1		0.78	J		
FSI8	1.0 - 1.5 ft	FSI8-1.0-1.5X	JB64326-3A	4/10/2014	FD	4.9	< 0.34	UJ	15.1		0.99	J		
FSI8	1.5 - 2.0 ft	FSI8-1.5-2.0	JB64326-4A	4/10/2014	N	4.9	< 0.32	UJ	16.6		0.51	J		
FSI8	2.0 - 2.5 ft	FSI8-2.0-2.5	JB64326-5A	4/10/2014	N	4.9	< 0.32	UJ	13.8		0.60	J		
FSI8	2.5 - 3.0 ft	FSI8-2.5-3.0	JB64326-6A	4/10/2014	N	4.9	< 0.37	UJ	17.4		< 0.55	U		
FSI8	3.0 - 3.5 ft	FSI8-3.0-3.5	JB64326-7A	4/10/2014	N	4.9	< 0.35	UJ	15.8		0.62	J		
FSI8	3.5 - 4.0 ft	FSI8-3.5-4.0	JB64326-8A	4/10/2014	N	4.9	0.34	J	15.2		< 0.52	U		
FSI8	4.0 - 4.5 ft	FSI8-4.0-4.5	JB64510-9A	4/11/2014	N	4.9	0.44	J	14.2		0.45	J		
FSI9	0.4 - 0.9 ft	FSI9-0.4-0.9	JB63992-1A	4/7/2014	N	5.2	< 0.30	UJ	4.7		< 0.45	U		
FSI9	1.5 - 2.0 ft	FSI9-1.5-2.0	JB63992-10A	4/7/2014	N	5.2	0.61	J	18.2		< 0.44	U		

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
FSI9	5.0 - 5.5 ft	FSI9-5.0-5.5	JB63992-2A	4/7/2014	N	5.2	< 0.32	UJ	14.7		< 0.48	U		
FSTP1-WaterLine1	4.0 - 4.5 ft	FSTP1-4.0-4.5	JB59605-23A	2/11/2014	N	4.3	2.1	J	22.8	J	0.83	J		
GB	0.4 - 0.9 ft	GB0.4-0.9-727913	727913	3/15/2004	N	5.6	2.3	J			< 0.2	U		
GB	1.5 - 2.0 ft	GB1.5-2.0-727914	727914	3/15/2004	N	5.6	0.41	J			0.27			
GB	4.0 - 4.5 ft	GB4.0-4.5-727915	727915	3/15/2004	N	5.6	< 0.41	UJ						
GD	4.0 - 4.5 ft	GD4.0-4.5_1-727919	727919	3/16/2004	N	5.6	< 0.44	UJ						
GD	4.0 - 4.5 ft	GD4.0-4.5D-727920	727920	3/16/2004	FD	5.6	< 0.43	UJ						
GE	4.1 - 4.6 ft	GE4.1-4.6-727923	727923	3/16/2004	N	5.4	< 0.42	UJ						
GE	4.1 - 4.6 ft	GE4.1-4.6D-727924	727924	3/16/2004	FD	5.4	< 0.43	UJ						
H0	0.5 - 1.0 ft	H0-0.5-1.0	JB60081-13A	2/19/2014	N	5.9	5.0	J	23.3		< 0.75	U		
H0	2.5 - 3.0 ft	H0-2.5-3.0	JB60081-14A	2/19/2014	N	5.9	3.0	J	22.8		< 2.1	U		
H0	4.5 - 5.0 ft	H0-4.5-5.0	JB60081-15A	2/19/2014	N	5.9	1.4	J	21.1		< 0.36	U		
H0A	0.5 - 1.0 ft	H0A-0.5-1.0	JB60003-1A	2/18/2014	N	5.6	0.98	J	21.5		0.43	J		
H0A	2.5 - 3.0 ft	H0A-2.5-3.0	JB60003-2A	2/18/2014	N	5.6	3.4	J	25.5		< 7.7	U		
H0A	2.5 - 3.0 ft	H0A-2.5-3.0X	JB60003-3A	2/18/2014	FD	5.6	1.8	J	24.4		< 1.9	U		
H0A	4.5 - 5.0 ft	H0A-4.5-5.0	JB60003-4A	2/18/2014	N	5.6	4.2	J	16.3		< 0.41	U		
H0B	0.5 - 1.0 ft	H0B-0.5-1.0	JB60081-1A	2/19/2014	N	5.2	6.8	J	45.0	J	< 0.91	UJ		
H0B	2.5 - 3.0 ft	H0B-2.5-3.0	JB60081-2A	2/19/2014	N	5.2	3.3	J	17.2		< 0.35	U		
H0B	2.5 - 3.0 ft	H0B-2.5-3.0X	JB60081-3A	2/19/2014	FD	5.2	3.5	J	21.5		< 0.35	U		
H0B	4.5 - 5.0 ft	H0B-4.5-5.0	JB60081-4A	2/19/2014	N	5.2	6.1	J	33.2		< 0.47	U		
H1	0.3 - 0.8 ft	H1-0.3	460-34629-26	12/10/2011	N	7.1	0.71	J	17.8		< 0.19	U		
H1	5.0 - 5.5 ft	H1-5.0	460-34629-27	12/10/2011	N	7.1	3.3	J	35.0		< 0.21	U		
H1A	0.5 - 1.0 ft	H1A-0.5	460-34629-13	12/10/2011	N	6.5		R	36.6		< 0.22	U		
H1A	0.5 - 1.0 ft	H1A-0.5X	460-34629-14	12/10/2011	FD	6.5		R	46.5		< 0.21	U		
H1A	2.0 - 2.5 ft	H1A-2.0	460-34629-15	12/10/2011	N	6.5	0.83	J	14.3		0.29			
H1A	5.0 - 3.5 ft	H1A-5.0	460-34629-16	12/10/2011	N	6.5	5.3	J	17.2		0.22	J		
H1A	6.0 - 6.5 ft	H1A-6.0	460-34629-17	12/10/2011	N	6.5	2.6	J	18.6		0.26			
H1A11	0.2 - 0.7 ft	H1A11-0.2-0.7	JB60293-1A	2/21/2014	N	6.5	202		52.5		< 1.8	U		
H1A11	2.0 - 2.5 ft	H1A11-2.0-2.5	JB60293-2A	2/21/2014	N	6.5	20.3		46.3		2.1	J		
H1A11	2.0 - 2.5 ft	H1A11-2.0-2.5X	JB60293-3A	2/21/2014	FD	6.5	17.5		35.1		2.8	J		
H1A11	3.5 - 4.0 ft	H1A11-3.5-4.0	JB60293-4A	2/21/2014	N	6.5	1.5	J	81.5		< 0.67	U		
H1A12	0.2 - 0.7 ft	H1A12-0.2-0.7	JB60293-7A	2/21/2014	N	6.8	1.4	J	23.6		< 0.38	U		
H1A12	2.5 - 3.0 ft	H1A12-2.5-3.0	JB60293-8A	2/21/2014	N	6.8	2.0	J	23.1		< 0.77	U		
H1A12	3.5 - 4.0 ft	H1A12-3.5-4.0	JB60293-9A	2/21/2014	N	6.8	0.74	J	23.7		< 0.39	UJ		
H1A3V	0.2 - 0.7 ft	H1A3V-0.2-0.7	JB60293-14A	2/21/2014	N	6.5	< 0.28	U	48.6		< 0.34	U		
H1A3V	2.0 - 2.5 ft	H1A3V-2.0-2.5	JB60293-15A	2/21/2014	N	6.5	< 0.88	U	15.0		< 0.73	U		



**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
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**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
H1A3V	3.0 - 3.5 ft	H1A3V-3.0-3.5	JB60293-17A	2/21/2014	N	6.5	10.3		34.5		< 1.1	U		
H1A3V	5.0 - 5.5 ft	H1A3V-5.0-5.5	JB60293-18A	2/21/2014	N	6.5	1.6	J	16.9		< 0.36	U		
H1A3V	6.0 - 6.5 ft	H1A3V-6.0-6.5	JB60293-13A	2/21/2014	N	6.5	58.3		17.9		< 0.39	U		
H1A9	0.5 - 1.0 ft	H1A9-0.5-1.0	JB60293-26A	2/21/2014	N	6.3	3.8	J	33.0		< 0.60	U		
H1A9	2.5 - 3.0 ft	H1A9-2.5-3.0	JB60293-27A	2/21/2014	N	6.3	3.9	J	33.8		< 1.4	U		
H1A9	2.5 - 3.0 ft	H1A9-2.5-3.0X	JB60293-28A	2/21/2014	FD	6.3	2.8	J	29.1		< 0.30	U		
H1A9	3.5 - 4.0 ft	H1A9-3.5-4.0	JB60293-29A	2/21/2014	N	6.3	0.92	J	20.1		0.98	J		
H1B	0.2 - 0.7 ft	H1B-0.2	460-34629-1	12/10/2011	N	5.7	9.1	J	30.0		< 0.21	U		
H1B	5.0 - 5.5 ft	H1B-5.0	460-34629-2	12/10/2011	N	5.7	8.5	J	27.1		0.32			
H2	0.6 - 1.1 ft	H2-0.6	460-34629-31	12/10/2011	N	7.1	4.6	J	22.1		< 0.21	U		
H2	0.6 - 1.1 ft	H2-0.6X	460-34629-32	12/10/2011	FD	7.1	2.3	J	20.8		< 0.21	U		
H2	2.0 - 2.5 ft	H2-2.0	460-34629-33	12/10/2011	N	7.1	2.8	J	21.8		0.23			
H2	5.0 - 5.5 ft	H2-5.0	460-34629-34	12/10/2011	N	7.1	1.9	J	23.8		< 0.22	U		
H2A	0.4 - 0.9 ft	H2A-0.4	460-34629-20	12/10/2011	N	6.6	4.1	J	23.0	J	0.20	J		
H2A	2.0 - 2.5 ft	H2A-2.0	460-34629-21	12/10/2011	N	6.6	0.83	J	46.7	J	< 0.23	U		
H2A	5.0 - 5.5 ft	H2A-5.0	460-34629-22	12/10/2011	N	6.6	1.8	J	81.9	J	9.9			
H2A	6.0 - 6.5 ft	H2A-6.0	460-34629-23	12/10/2011	N	6.6	4.8	J	17.9	J	0.41			
H2B	5.0 - 5.5 ft	H2B-5.0	460-34629-8	12/10/2011	N	5.9	7.7	J	23.1		< 0.23	U		
H3	0.5 - 1.0 ft	H3-0.5	460-34629-49	12/11/2011	N	6.2	1.9	J	56.7	J	0.23			
H3	5.0 - 5.5 ft	H3-5.0	460-34629-50	12/11/2011	N	6.2	29.1	J	237	J	< 0.25	U		
H3	6.0 - 6.5 ft	H3-6.0	460-34629-51	12/11/2011	N	6.2	2.9	J	22.8	J	0.34			
H3A	0.5 - 1.0 ft	H3A-0.5	460-34629-53	12/11/2011	N	6	8.6	J	37.4	J	0.23	J		
H3A	5.0 - 5.5 ft	H3A-5.0	460-34629-54	12/11/2011	N	6	13.2	J	33.0	J	< 4.3	U		
H3B	1.5 - 2.0 ft	H3B-1.5	460-34629-40	12/11/2011	N	5.7	127	J	33.9	J	0.21	J		
H3B	5.0 - 5.5 ft	H3B-5.0	460-34629-41	12/11/2011	N	5.7	8.8	J	48.7	J	< 0.20	U		
H4	0.5 - 1.0 ft	H4-0.5	460-34629-58	12/11/2011	N	5.5	7.6	J	38.7	J	0.26			
H4	5.0 - 5.5 ft	H4-5.0	460-34629-59	12/11/2011	N	5.5	2.3	J	18.0	J	< 0.18	U		
H4A	0.5 - 1.0 ft	H4A-0.5	460-34629-63	12/11/2011	N	5.3	16.6	J	80.3	J	< 0.22	U		
H4A	2.0 - 2.5 ft	H4A-2.0	460-34629-64	12/11/2011	N	5.3	3.3	J	19.7	J	< 0.22	U		
H4A	5.0 - 5.5 ft	H4A-5.0	460-34629-65	12/11/2011	N	5.3	4.3	J	37.4	J	0.22	J		
H4A10	0.5 - 1.0 ft	H4A10-0.5-1.0	JB61327-1A	3/7/2014	N	5.2	5.0	J	25.2		0.81	J		
H4A10	2.5 - 3.0 ft	H4A10-2.5-3.0	JB61327-2A	3/7/2014	N	5.2	1.6	J	27.6		< 1.5	U		
H4A11	0.5 - 1.0 ft	H4A11S-0.5-1.0	JB61327-6A	3/7/2014	N	5.3	1.3	J	22.1		0.68	J		
H4A11	2.5 - 3.0 ft	H4A11S-2.5-3.0	JB61327-5A	3/7/2014	N	5.3	2.6	J	41.8		< 1.4	U		
H4A12	0.5 - 1.0 ft	H4A12-0.5-1.0	JB61327-9A	3/7/2014	N	5.4	0.41	J	21.0		< 0.61	U		
H4A12	0.5 - 1.0 ft	H4A12-0.5-1.0X	JB61327-10A	3/7/2014	FD	5.4	0.51	J	19.8		< 0.58	U		

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
H4A12	2.5 - 3.0 ft	H4A12-2.5-3.0	JB61327-11A	3/7/2014	N	5.4	0.93	J	46.1		< 0.59	U		
H4A4V	0.5 - 1.0 ft	H4A4V-0.5-1.0	JB61327-15A	3/7/2014	N	5.4	3.5	J	42.7		< 0.60	U		
H4A4V	2.0 - 2.5 ft	H4A4V-2.0-2.5	JB61327-16A	3/7/2014	N	5.4	19.1	J	203		< 2.9	U		
H4A4V	3.0 - 3.5 ft	H4A4V-3.0-3.5	JB61327-17A	3/7/2014	N	5.4	0.91	J	33.1		0.71	J		
H4A4V	5.0 - 5.5 ft	H4A4V-5.0-5.5	JB61327-18A	3/7/2014	N	5.4	9.0	J	35.2		0.40	J		
H4A9	0.5 - 1.0 ft	H4A9-0.5-1.0	JB61327-27A	3/7/2014	N	5.3	0.64	J	25.3		< 0.60	U		
H4A9	2.5 - 3.0 ft	H4A9-2.5-3.0	JB61327-28A	3/7/2014	N	5.3	1.2	J	24.4		< 0.29	U		
H4B	0.5 - 1.0 ft	H4B-0.5	460-34629-68	12/11/2011	N	5.1	11.5	J	25.2	J	0.23			
H4B	5.0 - 5.5 ft	H4B-5.0	460-34629-69	12/11/2011	N	5.1	1.9	J	29.9	J	< 0.52	U		
H5	0.3 - 0.8 ft	H5-0.3-0.8	JB60643-1A	2/26/2014	N	5.7	5.6	J	24.5		< 0.39	U		
H5	2.0 - 2.5 ft	H5-2.0-2.5	JB60643-2A	2/26/2014	N	5.7	< 0.60	UJ	24.8		< 0.75	U		
H5	4.0 - 4.5 ft	H5-4.0-4.5	JB60643-3A	2/26/2014	N	5.7	22.4	J	43.3		< 0.83	U		
H5A	0.5 - 1.0 ft	H5A-0.5-1.0	JB60643-14A	2/26/2014	N	5.5	< 0.25	UJ	13.6		< 0.31	U		
H5A	0.5 - 1.0 ft	H5A-0.5-1.0X	JB60643-15A	2/26/2014	FD	5.5	< 0.24	UJ	14.0		0.36	J		
H5A	2.0 - 2.5 ft	H5A-2.0-2.5	JB60643-16A	2/26/2014	N	5.5	0.60	J	50.0		< 0.35	U		
H5A	4.0 - 4.5 ft	H5A-4.0-4.5	JB60643-17A	2/26/2014	N	5.5	5.9	J	23.3		< 0.36	U		
H5B	0.5 - 1.0 ft	H5B-0.5-1.0	JB60643-28A	2/26/2014	N	5.3	2.4	J	22.4		< 0.32	UJ		
H5B	2.0 - 2.5 ft	H5B-2.0-2.5	JB60643-29A	2/26/2014	N	5.3	3.9	J	15.7		< 0.33	U		
H5B	4.0 - 4.5 ft	H5B-4.0-4.5	JB60643-30A	2/26/2014	N	5.3	5.3	J	40.3		< 0.56	U		
H6	0.4 - 0.9 ft	H6-0.4-0.9	JB60951-1A	3/1/2014	N	5.4	10.5	J	25.6		< 0.51	U		
H6	2.0 - 2.5 ft	H6-2.0-2.5	JB60951-2A	3/1/2014	N	5.4	1.6	J	13.9		< 0.34	U		
H6	4.0 - 4.5 ft	H6-4.0-4.5	JB60951-3A	3/1/2014	N	5.4	0.54	J	10.5		< 0.32	U		
H6	4.0 - 4.5 ft	H6-4.0-4.5X	JB60951-4A	3/1/2014	FD	5.4	0.30	J	7.7		< 0.33	U		
H6A	0.4 - 0.9 ft	H6A-0.4-0.9	JB60951-10A	3/1/2014	N	5.2	3.2	J	21.3	J	< 0.39	U		
H6A	2.0 - 2.5 ft	H6A-2.0-2.5	JB60951-11A	3/1/2014	N	5.2	64.8	J	28.7	J	5.9	J		
H6A	4.0 - 4.5 ft	H6A-4.0-4.5	JB60951-12A	3/1/2014	N	5.2	2.3	J	23.4	J	< 3.1	U		
H6B	0.4 - 0.9 ft	H6B-0.4-0.9	JB60951-22A	3/1/2014	N	5.9	9.7	J	35.2	J	5.2	J		
H6B	2.0 - 2.5 ft	H6B-2.0-2.5	JB60951-23A	3/1/2014	N	5	14.0	J	64.2	J	2.1	J		
H6B	2.0 - 2.5 ft	H6B-2.0-2.5X	JB60951-24A	3/1/2014	FD	5	5.4	J	103	J	2.9	J		
H6B	4.0 - 4.5 ft	H6B-4.0-4.5	JB60951-25A	3/1/2014	N	5	11.6	J	54.5	J	1.4	J		
HAL-AOC3	0.5 - 1.0 ft	HAL-AOC3-0.5-1.0	JB60738-2A	2/27/2014	N	5.6	4.2		31.4		< 0.35	U		
HC	1.8 - 2.3 ft	HC 1.8-2.3	727932	3/17/2004	N	4.4	7.7	BJ	28.5		< 0.23	U		
HC	1.8 - 2.3 ft	HC 1.8-2.3D	727936	3/17/2004	FD	4.4	7.6	BJ	18.6		< 0.22	U		
HH	0.3 - 0.8 ft	HH 0.3-0.8	727937	3/17/2004	N	5	5.7	BJ	70.7		0.22			
HH	2.0 - 2.5 ft	HH 2-2.5	727938	3/17/2004	N	5	2.9	BJ	26.1		0.27			
HSD-PDI-GG5A	0.5 - 1.0 ft	HSD-PDI-GG5A-0.5-1.0	JC20529-13A	5/18/2016	N	4.1	0.78	J	19.1		< 0.46	U		

**Table 5-3**  
**Analytical Results - CCPW Metals Compared to IGW SSL/SRS**  
**Garfield Avenue Group**  
**PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
HSD-PDI-GG5A	2.0 - 2.5 ft	HSD-PDI-GG5A-2.0-2.5	JC20529-19A	5/18/2016	N	4.1	< 0.30	U	9.1		< 0.83	U		
HSD-PDI-GG5A	4.0 - 4.5 ft	HSD-PDI-GG5A-4.0-4.5	JC20529-20A	5/18/2016	N	4.1	2.9		12.9		< 0.46	U		
HTP1	0.3 - 0.8 ft	HTP1-0.3-0.8	JB60434-3A	2/22/2014	N	6.6	9.1		154		0.78	J		
HTP1	2.0 - 2.5 ft	HTP1-2.0-2.5	JB60434-4A	2/22/2014	N	6.6	2.2	J	29.6		< 0.29	U		
HTP2	0.5 - 1.0 ft	HTP2-0.5-1.0	JB61457-2A	3/8/2014	N	5.3	2.1	J	68.5		< 0.39	U		
HTP2	2.0 - 2.5 ft	HTP2-2.0-2.5	JB61457-3A	3/8/2014	N	5.3	5.0	J	56.1		<b>10.5</b>	<b>J</b>		
ICO-11	1.0 - 1.5 ft	ICO-B011-1.0	JB3648-30	4/6/2012	N	8.4	< 0.17	UJ	11.2		< 0.24	U		
ICO-11	3.0 - 3.5 ft	ICO-B011-3.0	JB3648-31	4/6/2012	N	8.4	< 0.18	UJ	11.6		< 0.25	U		
ICO-11	5.0 - 5.5 ft	ICO-B011-5.0	JB3648-32	4/6/2012	N	8.4	< 0.21	UJ	19.1		< 0.29	U		
ICO-11	7.0 - 7.5 ft	ICO-B011-7.0	JB3648-33	4/6/2012	N	8.4	0.27	J	10.2		0.70	J		
ICO-18	1.0 - 1.5 ft	ICO-B018-1.0	JB3648-35	4/6/2012	N	3.9	3.2	J	22.3		0.67	J		
ICO-18	3.0 - 3.5 ft	ICO-B018-3.0	JB3648-36	4/6/2012	N	3.9	1.5	J	14.0		0.58	J		
ICO-23	0.3 - 0.8 ft	ICO-23-0.3	460-36375-1	2/1/2012	N	5.7	3.4		23.6		0.27			
ICO-23	2.0 - 2.5 ft	ICO-23-2.0	460-36375-2	2/1/2012	N	5.7	1.1		13.8		< 0.22	U		
ICO-23	4.0 - 4.5 ft	ICO-23-4.0	460-36375-3	2/1/2012	N	5.7	2.2		23.3		< 0.26	U		
OSB-22	1.0 - 1.5 ft	OSB-22A(1.05-1.55)20060718	J35981-3A	7/18/2006	N	5.6	< 2.2	UJ	72.7		< 1.1	U		
OSB-22	4.0 - 4.5 ft	NJD981084668-7/25/2006-05B22S1	756292	7/25/2006	N	5.6	< 1.6	U	16.3		< 1.3	U		
OSB-22	4.0 - 4.5 ft	OSB-22B(4.0-4.5)20060718	J35981-4A	7/18/2006	N	5.6	< 3.1	UJ	30.1		< 1.5	U		
OSB-22	4.0 - 4.5 ft	OSB-22BD(4.0-4.5)20060718	J35981-5A	7/18/2006	FD	5.6	< 3.3	UJ	33.3		< 1.6	U		
OSB-23	0.5 - 1.0 ft	OSB-23A(0.5-1)20060720	J36229-7	7/20/2006	N	6.1	< 2.2	UJ	15.2		< 1.1	U		
OSB-23	1.7 - 2.2 ft	OSB-23B(1.7-2.2)20060720	J36229-6	7/20/2006	N	6.1	< 11	UJ	102		< <b>5.3</b>	<b>U</b>		
OSB-24	0.5 - 1.0 ft	OSB-24A(0.5-1.0)20060724	J36493-5	7/24/2006	N	4.8	< 2.2	UJ	62.0		< 1.1	U		
OSB-24	4.5 - 5.0 ft	OSB-24B(4.5-5.0)20060724	J36493-6	7/24/2006	N	4.8	< 2.8	UJ	22.7		< 1.4	U		
OSB-25	0.5 - 1.0 ft	OSB-25A(0.5-1.0)20060724	J36493-1	7/24/2006	N	4.5	< 2.5	UJ	35.0		< 1.2	U		
OSB-28	0.7 - 1.1 ft	OSB-28A (0.7-1.1)20060712	J35428-1A	7/12/2006	N	5.5	< 2.2	UJ	32.3	J	< 1.1	U		
OSB-28	1.9 - 2.4 ft	OSB-28B (1.9-2.4)20060712	J35428-2A	7/12/2006	N	5.5	3.5	J	<b>397</b>	<b>J</b>	< 1.3	U		
OSB-28	3.5 - 4.0 ft	OSB-28C (3.5-4)20060712	J35428-3A	7/12/2006	N	5.5	< 3.0	UJ	13.0	J	< 1.5	U		
OSB-29	0.6 - 1.0 ft	OSB-29A (0.6-1)20060712	J35428-4A	7/12/2006	N	4.7	< 2.1	UJ	26.6	J	< 1.0	U		
OSB-29	2.5 - 3.0 ft	OSB-29B (2.5-3)20060712	J35428-5A	7/12/2006	N	4.7	< 2.4	UJ	9.9	J	< 1.2	U		
P4-HSN-AA16A	0.5 - 1.0 ft	P4-HSN-AA16A-0.5-1.0	JC19596-12A	5/4/2016	N	5.7	3.8	J	53.8		< 0.47	U		
P4-HSN-AA16A	2.5 - 3.0 ft	P4-HSN-AA16A-2.5-3.0	JC19596-17A	5/4/2016	N	5.7	< 0.32	UJ	8.8		< 0.43	U		
P4-HSN-AA16A	4.5 - 5.0 ft	P4-HSN-AA16A-4.5-5.0	JC19596-18A	5/4/2016	N	5.7	< 0.32	UJ	14.0		< 0.43	U		
PSEG-SB45	0.0 - 0.5 ft	PSEG-SB45A(0.0-0.5)J47851-1	J47851-1	12/1/2006	N	4.6	2.4	J	51.8		< 1.1	U		
PSEG-SB45	1.5 - 2.0 ft	PSEG-SB45B(1.5-2.0)J47851-2	J47851-2	12/1/2006	N	4.6	< 2.3	UJ	23.0		< 1.2	U		
PSEG-SB45	1.5 - 2.0 ft	PSEG-SB45BD(1.5-2.0)J47851-3	J47851-3	12/1/2006	FD	4.6	< 2.2	UJ	27.4		< 1.1	U		
PSEG-SB46	1.5 - 2.0 ft	PSEG-SB46A(1.5-2.0)J47741-1	J47741-1	11/30/2006	N	4.3	< 2.3	UJ	<b>234</b>		< 1.1	U		

**Table 5-3  
Analytical Results - CCPW Metals Compared to IGW SSL/SRS  
Garfield Avenue Group  
PPG, Jersey City, New Jersey**



Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Analyte CAS-RN Units IGW SSL/SRS		ANTIMONY 7440-36-0 mg/kg 63		NICKEL 7440-02-0 mg/kg 166		THALLIUM 7440-28-0 mg/kg 3	
							Result	Qualifier	Result	Qualifier	Result	Qualifier		
PSEG-SB46	4.0 - 5.0 ft	PSEG-SB46B(4.0-5.0)J47741-2	J47741-2	11/30/2006	N	4.3	< 3.1	UJ	46.1		< 1.5	U		
PSEG-SB46	4.0 - 5.0 ft	PSEG-SB46BD(4.0-5.0)J47741-3	J47741-3	11/30/2006	FD	4.3	< 2.8	UJ	25.5		< 1.4	U		
PSEG-SB52	1.0 - 1.5 ft	PSEG-SB52A(1.0-1.5)J47237-1	J47237-1	11/22/2006	N	5	5.8	J	97.9		< 1.2	U		
TWA-1/ICO-12	1.0 - 1.5 ft	TWA-B001-1.0	JB3648-51	4/6/2012	N	5.2	0.68	J	24.0		< 0.24	U		
TWA-1/ICO-12	3.0 - 3.5 ft	TWA-B001-3.0	JB3648-52	4/6/2012	N	5.2	< 0.38	UJ	432		0.70	J		
TWA-1/ICO-12	5.0 - 5.5 ft	TWA-B001-5.0	JB3648-53	4/6/2012	N	5.2	< 0.42	UJ	450		1.4	J		
TWA-10	1.0 - 1.5 ft	TWA-B010-1.0	JB3579-1	4/5/2012	N	5.8	1.3	J	34.2		1.0	J		
TWA-10	3.0 - 3.5 ft	TWA-B010-3.0	JB3579-2	4/5/2012	N	5.8	< 0.16	UJ	12.9		0.88	J		
TWA-10	5.0 - 5.5 ft	TWA-B010-5.0	JB3579-3	4/5/2012	N	5.8	1.1	J	13.0		0.82	J		
TWA-11/ICO-16	1.0 - 1.5 ft	ICO-16-1.0	JB3512-1	4/5/2012	N	5.2	< 0.16	UJ	11.8		0.46	J		
TWA-11/ICO-16	3.0 - 3.5 ft	ICO-16-3.0	JB3512-2	4/5/2012	N	5.2	< 0.16	UJ	10.9		< 0.23	U		
TWA-11/ICO-16	5.0 - 5.5 ft	ICO-16-5.0	JB3512-3	4/5/2012	N	5.2	0.23	J	14.5		0.50	J		
TWA-2	1.0 - 1.5 ft	TWA-B002-1.0	JB3648-12	4/6/2012	N	5	14.0	J	215		< 0.23	U		
TWA-2	3.0 - 3.5 ft	TWA-B002-3.0	JB3648-13	4/6/2012	N	5	15.6	J	40.3		< 0.26	U		
TWA-3/ICO-15	1.0 - 1.5 ft	ICO-B015-1.0	JB3648-40	4/6/2012	N	4.7	6.4	J	54.7	J	< 0.24	U		
TWA-3/ICO-15	3.0 - 3.5 ft	ICO-B015-3.0	JB3648-41	4/6/2012	N	4.7	7.2	J	34.0	J	< 0.26	U		
TWA-4	1.0 - 1.5 ft	TWA-B004-1.0	JB3648-61	4/6/2012	N	5.8	0.94	J	68.9		< 0.24	U		
TWA-4	3.0 - 3.5 ft	TWA-B004-3.0	JB3648-62	4/6/2012	N	5.8	3.2	J	68.0		< 0.24	U		
TWA-4	5.0 - 5.5 ft	TWA-B004-5.0	JB3648-63	4/6/2012	N	5.8	10.2	J	13.5		< 1.8	U		
TWA-5	1.0 - 1.5 ft	TWA-B005-1.0	JB3648-21	4/6/2012	N	5.6	0.46	JB	73.2		< 0.25	U		
TWA-5	3.0 - 3.5 ft	TWA-B005-3.0	JB3648-22	4/6/2012	N	5.6	2.9	J	36.5		< 0.25	U		
TWA-6	1.0 - 1.5 ft	TWA-B006-1.0	JB3579-12	4/5/2012	N	5.2	1.5	J	26.7		0.76	J		
TWA-6	3.0 - 3.5 ft	TWA-B006-3.0	JB3579-13	4/5/2012	N	5.2	5.1	J	23.0		< 0.26	U		
TWA-6	5.0 - 5.5 ft	TWA-B006-5.0	JB3579-14	4/5/2012	N	5.2	0.22	J	13.9		0.58	J		
TWA-7	1.0 - 1.5 ft	TWA-B007-1.0	JB3579-19	4/6/2012	N	4.5	0.40	J	17.6		0.60	J		
TWA-7	3.0 - 3.5 ft	TWA-B007-3.0	JB3579-20	4/6/2012	N	4.5	< 0.17	UJ	12.9		0.66	J		
TWA-8	1.0 - 1.5 ft	TWA-B008-1.0	JB3648-72	4/6/2012	N	6.5	1.4	J	32.5		< 0.25	U		
TWA-8	3.0 - 3.5 ft	TWA-B008-3.0	JB3648-73	4/6/2012	N	6.5	0.82	J	20.4		< 0.30	U		
TWA-8	5.0 - 5.5 ft	TWA-B008-5.0	JB3648-74	4/6/2012	N	6.5	< 0.18	UJ	12.3		< 0.25	U		
TWA-9/ICO-13	1.0 - 1.5 ft	ICO-B013-1.0	JB3648-1	4/6/2012	N	6.2	0.81	J	68.5		< 0.25	U		
TWA-9/ICO-13	3.0 - 3.5 ft	ICO-B013-3.0	JB3648-2	4/6/2012	N	6.2	2.5	J	18.2		0.78	J		
TWA-9/ICO-13	5.0 - 5.5 ft	ICO-B013-5.0	JB3648-3	4/6/2012	N	6.2	2.0	J	14.4		< 0.25	U		
TWA-9/ICO-13	6.0 - 6.5 ft	ICO-B013-6.0	JB3648-4	4/6/2012	N	6.2	< 0.22	UJ	16.3		< 0.31	U		
X35	2.0 - 2.5 ft	114-X35A-2-2.5	J18134-12	10/17/2005	N	5.6	< 1.0	U	12.2		< 1.0	U		
X36	0.8 - 1.3 ft	114-X36A-0.8-1.3	J18134-3	10/17/2005	N	7.3	< 1.2	U	326		< 1.2	U		
X36	2.0 - 2.5 ft	114-X36B-2-2.5	J18134-4	10/17/2005	N	7.3	< 1.1	U	17.9		< 1.1	U		

**Table 5-3  
Analytical Results - CCPW Metals Compared to IGW SSL/SRS  
Garfield Avenue Group  
PPG, Jersey City, New Jersey**



							Analyte CAS-RN Units IGW SSL/SRS	ANTIMONY 7440-36-0 mg/kg 63	NICKEL 7440-02-0 mg/kg 166	THALLIUM 7440-28-0 mg/kg 3		
Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	Result	Qualifier	Result	Qualifier	Result	Qualifier
X36	2.0 - 2.5 ft	114-X36BD-2-2.5	J18134-5	10/17/2005	FD	7.3	< 1.1	U	19.6		< 1.1	U
X36	6.0 - 6.5 ft	114-X36C-6-6.5	J18134-6	10/17/2005	N	7.3	25.3		15.1		< 1.6	U
X37	1.5 - 2.0 ft	114-X37A-1.5-2	J18134-7	10/17/2005	N	4.6	< 1.1	U	13.8		< 1.1	U

**Notes:**

- Results are reported in milligrams per kilogram (mg/kg).
- Depths are presented in feet below ground surface (bgs).
- Sample Type = N indicates normal original sample; FD indicates duplicate sample.
- Bold values indicate a result that exceeds the default IGW SSL or site-specific IGW SRS. Thallium data is compared to the NJDEP default IGW SSL, last updated November 2013. Antimony and Nickel data are compared to site-specific IGW SRSs.
- Depth to groundwater based on 2011 groundwater gauging and soil boring logs used to determine the unsaturated zone.

CAS-RN = Chemical Abstract Service Registry Number.

CCPW = Chromate Chemical Production Waste

ft = feet

IGW = Impact to Groundwater

SRS = Soil Remediation Standard

SSL = Soil Screening Level.

B - Indicates that the analyte was detected at a concentration less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.

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.

UU - Indicates the analyte was not detected above the reporting limit and the reporting limit was approximate.

R - The sample result was rejected due to serious deficiencies; the presence or absence of the analyte could not be confirmed.

RA - The sample result was rejected but is useable.