

**Table 5-2  
Groundwater Analytical Results - Non-CCPW Metals  
Groundwater Remedial Investigation Report  
Garfield Avenue Group of Sites  
PPG, Jersey City, New Jersey**

Water-Bearing Zone	Location ID	Sample ID	Sample Depth (ft bTOIC)	Sample Type	Fraction	Lab SDG	Date Collected	Analyte	ALUMINIUM	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	COBALT	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	MERCURY	POTASSIUM	SELENIUM
								CAS RN	7429-90-5	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-70-2	7440-48-4	7440-50-8	7439-89-6	7439-92-1	7439-95-4	7439-96-5	7439-97-6	7440-09-7	7782-49-2
								GWQS	200 ug/L	3 ug/L	6000 ug/L	1 ug/L	4 ug/L	N/A ug/L	100 ug/L	1300 ug/L	300 ug/L	5 ug/L	N/A ug/L	50 ug/L	2 ug/L	N/A ug/L	40 ug/L
<b>Shallow Zone Monitoring Well Samples</b>																							
SHALLOW	114-MW15A	114-MW15A-20180417	4.25	N	D	JC64376	2018-04-17	< 33 U	< 2.7 U	40.1 J	< 0.40 U	< 0.70 U	32300	< 0.72 U	4.2 J	< 32 U	< 2.6 U	4390 J	5.0 JB	< 0.13 U	7670 J	< 6.6 U	
SHALLOW	114-MW15A	114-MW15A-20180417	4.25	N	T	JC64376	2018-04-17	<b>1420</b>	< 2.7 U	47.8 J	< 0.40 U	< 0.70 U	33300	< 0.72 U	8.2 J	<b>1340</b>	< 2.6 U	4770 J	25.7	< 0.13 U	7710 J	< 6.6 U	
SHALLOW	114-MW24AR	114-MW24AR-20180502	11.5	N	T	JC65325	2018-05-02	<b>237 JB</b>	<b>&lt; 14 U</b>	57.5 J	< 0.40 U	< 0.70 U	408000	6.8 J	4.8 J	<b>884</b>	<b>&lt; 13 U</b>	67900	<b>3810</b>	< 0.13 U	26600	8.2 J	
SHALLOW	114-MW25A	114-MW25A-20170926	11.5	N	T	JC51824	2017-09-26	66.7 J	< 2.7 U	130 J	< 0.40 U	< 0.70 U	129000	1.9 J	8.1 J	<b>352</b>	< 2.6 U	27400	<b>781</b>	< 0.083 U	8180 J	< 6.6 U	
SHALLOW	114-MW26A	FORREST-114-MW26A-20171218	12.5	N	T	JC57565	2017-12-18	< 33 U	<b>23.9</b>	150 J	< 0.40 U	1.3 J	108000	22.0 J	6.9 J	<b>12200</b>	< 2.6 U	15000	<b>4370</b>	< 0.083 U	29100	< 6.6 U	
SHALLOW	114-MW27A	114-MW27A-20170926	13.5	N	T	JC51824	2017-09-26	73.2 J	2.7 J	121 J	< 0.40 U	2.7 J	111000	< 0.72 U	3.4 J	182	< 2.6 U	19500	<b>1960</b>	< 0.083 U	7980 J	< 6.6 U	
SHALLOW	114-MW28A	FORREST-114-MW28A-20171218	11.5	N	T	JC57565	2017-12-18	< 33 U	< 2.7 U	114 J	< 0.40 U	< 0.70 U	52300	< 0.72 U	12.1	<b>438</b>	<b>11.0</b>	10500	<b>321</b>	< 0.083 U	7930 J	< 6.6 U	
SHALLOW	114-MW2B1-2	FORREST-114-MW2B1-2-20171206	21.0	N	T	JC56729A	2017-12-06	135 J	<b>4.7</b>	140 J	< 0.40 U	1.1 J	110000	< 0.72 U	< 3.2 U	<b>2420</b>	< 2.6 U	35400	<b>2350</b>	< 0.083 U	6250 J	< 6.6 U	
SHALLOW	114-MW30A	FORREST-114-MW30A-20171207	11.5	N	T	JC56859A	2017-12-07	< 33 U	<b>20.5</b>	51.1 J	< 0.40 U	1.4 J+	90200	< 0.72 U	< 3.2 U	<b>26800</b>	< 2.6 U	10200	<b>3650</b>	< 0.10 UB	14200	< 6.6 U	
SHALLOW	114-MW36A	114-MW36A-20170927	10.0	N	T	JC51890	2017-09-27	<b>3770</b>	3.0	76.2 J	< 0.40 U	< 0.70 U	203000	0.90 J	< 3.2 U	48.1 J	< 2.6 U	360 J	9.9 J	< 0.083 U	41800	< 6.6 U	
SHALLOW	114-MW36A	114-MW36A-20170927-X	10.0	FD	T	JC51890	2017-09-27	<b>3770</b>	<b>3.4</b>	74.2 J	< 0.40 U	< 0.70 U	203000	1.2 J	< 3.2 U	118	< 2.6 U	324 J	10.2 J	< 0.083 U	39800	< 6.6 U	
SHALLOW	114-MW37A	114-MW37A-20170928	12.5	N	T	JC52029	2017-09-28	<b>491</b>	<b>6.7</b>	73.5 J	< 0.40 U	0.70 J	107000	6.4 J	4.4 J	<b>12600</b>	< 2.6 U	18800	<b>5150</b>	< 0.083 U	10300	< 6.6 U	
SHALLOW	114-MW38A	FORREST-114-MW38A-20171204	22.5	N	T	JC56504A	2017-12-04	<b>9560</b>	<b>22.4</b>	153 J	< 0.80 U	< 1.4 U	76200	4.0 J	14.6 J	<b>16300</b>	<b>12.2</b>	19600	<b>2700</b>	< 0.083 U	11200 J	< 13 U	
SHALLOW	114-MW41A	114-MW41A-20180420	12.5	N	T	JC64643	2018-04-20	<b>210 JB</b>	< 27 U	51.0 J	< 2.0 U	< 3.5 U	409000	< 3.6 U	< 3.2 U	245 J	< 26 U	< 320 U	8.5 J	< 0.80 U	10400 J	< 66 U	
SHALLOW	114-MW42A	114-MW42A-20180417	9.5	N	T	JC64376	2018-04-17	<b>900</b>	< 2.7 U	183 J	< 0.40 U	< 0.70 U	156000	1.6 J	4.3 J	<b>1150</b>	< 2.6 U	34600	<b>1360</b>	< 0.13 U	3550 J	< 6.6 U	
SHALLOW	114-MW43A	114-MW43A-20180417	9.5	N	T	JC64376	2018-04-17	<b>758</b>	< 2.7 U	346	< 0.40 U	< 0.70 U	303000	< 0.72 U	< 3.2 U	<b>13500</b>	<b>&lt; 5.3 U</b>	55500	<b>10700</b>	< 0.13 U	13400	< 13 U	
SHALLOW	135-MW2A	135-MW2A-10.0-20180423	10.0	N	T	JC64763	2018-04-23	< 33 U	-	77.2 J	< 0.40 U	< 0.70 U	-	1.0 J	3.3 J	<b>12400</b>	-	63800	<b>2510</b>	< 0.13 U	38300	< 6.6 U	
SHALLOW	135-MW2A	135-MW2A-14.0-20180423	14.0	N	T	JC64763	2018-04-23	160 JB	-	65.7 J	< 0.40 U	< 0.70 U	-	1.0 J	3.6 J	<b>1700</b>	-	58000	<b>1030</b>	< 0.13 U	32000	< 6.6 U	
SHALLOW	135-MW2A	135-MW2A-6.0-20180423	6.0	N	T	JC64763	2018-04-23	< 33 U	-	87.4 J	< 0.40 U	< 0.70 U	-	1.0 J	< 3.2 U	<b>23400</b>	-	72400	<b>3470</b>	< 0.13 U	46400	< 6.6 U	
SHALLOW	135-P3C-MW102S	135-P3C-MW102S-12.0-20180423	12.0	N	T	JC64763	2018-04-23	170 JB	-	225	< 0.40 U	< 0.70 U	166000	5.0 J	3.5 J	<b>1700</b>	< 2.6 U	37600	<b>1640</b>	< 0.13 U	28000	< 6.6 U	
<b>Shallow Zone Monitoring Wells Sampled Prior to Soil Remediation, and Subsequently Decommissioned</b>																							
SHALLOW	114-MW20A	114-MW20A-11.0-20180420	11.0	N	T	JC64643	2018-04-20	153 JB	<b>11.6</b>	58.9 J	< 0.40 U	< 0.70 U	43900	0.80 J	< 3.2 U	<b>1750</b>	<b>20.5</b>	5770	<b>115</b>	< 0.27 U	12500	< 6.6 U	
SHALLOW	114-MW20A	114-MW20A-8.0-20180420	8.0	N	T	JC64643	2018-04-20	<b>216 JB</b>	<b>10.6</b>	63.7 J	< 0.40 U	< 0.70 U	41800	1.3 J	29.5	<b>1110</b>	<b>24.6</b>	4210 J	<b>79.5</b>	< 0.27 U	14400	7.8 J	
SHALLOW	114-MW22A	114-MW22A-11.0-20180419	11.0	N	T	JC64571	2018-04-19	< 33 U	<b>44.3</b>	303	< 0.40 U	< 0.70 U	191000	< 0.72 U	< 3.2 U	<b>11000</b>	< 2.6 U	31800	<b>1720</b>	< 0.13 U	14400	< 6.6 U	
SHALLOW	114-MW22A	114-MW22A-16.0-20180419	16.0	N	T	JC64571	2018-04-19	< 33 U	<b>44.0</b>	293	< 0.40 U	< 0.70 U	188000	< 0.72 U	< 3.2 U	<b>10700</b>	< 2.6 U	30500	<b>1750</b>	< 0.13 U	14000	< 6.6 U	
<b>Intermediate Zone Monitoring Well Samples</b>																							
INTERMEDIATE	10W-MW105I	10W-MW105I-20180312	37.5	N	T	JC62130	2018-03-12	<b>1400</b>	< 5.5 U	245	< 0.40 U	< 0.70 U	444000	6.9 J	14.7	<b>1470</b>	< 2.6 U	9900	20.4	< 0.083 U	55500	< 6.6 U	
INTERMEDIATE	114-MW20B	114-MW20B-20180419	37.5	N	T	JC64571	2018-04-19	<b>204 JB</b>	< 270 U	26.0 J	< 2.0 U	< 3.5 U	12000 J	< 3.6 U	< 320 U	< 160 U	< 260 U	2970 J	< 42 U	< 0.40 U	50300	< 660 U	
INTERMEDIATE	114-MW22B	114-MW22B-20180419	30.5	N	D	JC64571	2018-04-19	< 33 U	< 2.7 U	141 J	< 0.40 U	< 0.70 U	133000	< 0.72 U	< 3.2 U	< 32 U	< 2.6 U	32400	10.4 J	< 0.13 U	7130 J	< 6.6 U	
INTERMEDIATE	114-MW22B	114-MW22B-20180419	30.5	N	T	JC64571	2018-04-19	<b>660</b>	< 2.7 U	167 J	< 0.40 U	< 0.70 U	151000	< 0.72 U	< 3.2 U	<b>790</b>	< 2.6 U	33400	28.4	< 0.13 U	7340 J	< 6.6 U	
INTERMEDIATE	114-MW24B	114-MW24B-20180312	33.0	N	T	JC62130	2018-03-12	<b>331</b>	< 2.7 U	90.2 J	< 0.40 U	< 0.70 U	137000	1.3 J	5.4 J	<b>609</b>	4.3	30100	<b>1120</b>	< 0.083 U	5720 J	< 6.6 U	
INTERMEDIATE	114-MW25B	114-MW25B-20170928	32.5	N	T	JC52029	2017-09-28	54.5 J	<b>5.4</b>	51.5 J	< 0.40 U	< 0.70 U	56300	< 0.72 U	< 3.2 U	61.4 J	< 2.6 U	10900	<b>150</b>	< 0.083 U	3630 J	< 6.6 U	
INTERMEDIATE	114-MW26B	114-MW26B-20180313	35.5	N	D	JC62228	2018-03-13	< 33 U	<b>4.6</b>	40.3 J	< 0.40 U	< 0.70 U	94900	< 0.72 U	< 3.2 U	< 32 U	< 2.6 U	13200	33.8	< 0.083 U	7280 J	< 6.6 U	
INTERMEDIATE	114-MW26B	114-MW26B-20180313	35.5	N	T	JC62228	2018-03-13	<b>2520 J</b>	<b>5.5</b>	64.6 J	< 0.40 U	< 0.70 U	110000	2.4 J	6.7 J	<b>3240 J</b>	< 2.6 U	22800 J	<b>438 J</b>	< 0.083 U	6640 J	< 6.6 U	
INTERMEDIATE	114-MW26B	114-MW26B-20180313X	35.5	FD	D	JC62228	2018-03-13	< 33 U	<b>4.5</b>	40.8 J	< 0.40 U	< 0.70 U	95300	< 0.72 U	< 3.2 U	< 32 U	< 2.6 U	13400	38.8	< 0.083 U	7220 J	< 6.6 U	
INTERMEDIATE	114-MW26B	114-MW26B-20180313X	35.5	FD	T	JC62228	2018-03-13	<b>586 J</b>	<b>5.3</b>	46.8 J	< 0.40 U	< 0.70 U	97500	< 0.72 U	5.2 J	<b>821 J</b>	< 2.6 U	14100 J	<b>73.6 J</b>	< 0.083 U	7320 J	< 6.6 U	
INTERMEDIATE	114-MW27B	114-MW27B-20170928	32.5	N	T	JC52029	2017-09-28	<b>2610</b>	<b>3.9</b>	91.4 J	< 0.40 U	< 0.70 U	82300	1.9 J	8.4 J	<b>6300</b>	4.7	18200	<b>1420</b>	< 0.083 U	4920 J	< 6.6 U	
INTERMEDIATE	114-MW2B1-2I	FORREST-114-MW2B1-2I-20171206	35.5	N	T	JC56729A	2017-12-06	<b>489</b>	< 14 U	62.1 J	< 0.40 U	3.5	239000	17.0 J	71.0	<b>634</b>	< 13 U	57500	<b>425</b>	< 0.083 U	18200	< 6.6 U	
INTERMEDIATE	114-MW2B1-2I	FORREST-114-MW2B1-2I-20171206X	35.5	FD	T	JC56729A	2017-12-06	<b>415</b>	< 14 U	62.4 J	< 0.40 U	3.6	240000	16.4 J	70.3	<b>538</b>	< 13 U	57900	<b>437</b>	0.20	18300	< 6.6 U	
INTERMEDIATE	114-MW36B	114-MW36B-20170927	32.5	N	T	JC51890	2017-09-27	<b>12400</b>	<b>6.0</b>	139 J	1.0 J	< 1.4 U	94800	8.6 J	31.0	<b>15300</b>	<b>23.0</b>	21700	<b>889</b>	< 0.17 U	10700 J	< 13 U	
INTERMEDIATE	114-MW37B	114-MW37B-20170926	32.5	N	T	JC51824	2017-09-26	78.7 J	<b>15.0</b>	48.0 J	< 0.40 U	< 0.70 U	125000	< 0.72 U	< 3.2 U	<b>2470</b>	< 2.6 U	28600	<b>1230</b>	< 0.083 U	6920 J	< 6.6 U	
INTERMEDIATE	114-MW38B	FORREST-114-MW38B-20171204	39.5	N	T	JC56504A	2017-12-04	<b>1720</b>	<b>15.4</b>	134 J	< 0.40 U	< 0.70 U	5620										

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Water-Bearing Zone	Location ID	Sample ID	Sample Depth (ft bTOIC)	Sample Type	Fraction	Lab SDG	Date Collected	Analyte	SILVER	SODIUM	STRONTIUM	ZINC
								CAS RN	7440-22-4	7440-23-5	7440-24-6	7440-66-6
								40	50000	2000	2000	2000
								ug/L	ug/L	ug/L	ug/L	ug/L
<b>Shallow Zone Monitoring Well Samples</b>												
SHALLOW	114-MW15A	114-MW15A-20180417	4.25	N	D	JC64376	2018-04-17	< 3.1 U	40600	-	-	< 4.0 U
SHALLOW	114-MW15A	114-MW15A-20180417	4.25	N	T	JC64376	2018-04-17	< 3.1 U	40700	-	-	9.9 J
SHALLOW	114-MW24AR	114-MW24AR-20180502	11.5	N	T	JC65325	2018-05-02	< 3.1 U	<b>126000</b>	683	-	15.5 J
SHALLOW	114-MW25A	114-MW25A-20170926	11.5	N	T	JC51824	2017-09-26	< 3.1 U	<b>78600</b>	-	-	13.9 J
SHALLOW	114-MW26A	FORREST-114-MW26A-20171218	12.5	N	T	JC57565	2017-12-18	< 3.1 U	<b>117000</b>	501	-	11.7 J
SHALLOW	114-MW27A	114-MW27A-20170926	13.5	N	T	JC51824	2017-09-26	< 3.1 U	48700	-	-	21.5
SHALLOW	114-MW28A	FORREST-114-MW28A-20171218	11.5	N	T	JC57565	2017-12-18	< 3.1 U	<b>85900</b>	211	-	168
SHALLOW	114-MW2B1-2	FORREST-114-MW2B1-2-20171206	21.0	N	T	JC56729A	2017-12-06	< 3.1 U	48200	295	-	< 4.0 U
SHALLOW	114-MW30A	FORREST-114-MW30A-20171207	11.5	N	T	JC56859A	2017-12-07	< 3.1 U	15100	314	-	5.4 J
SHALLOW	114-MW36A	114-MW36A-20170927	10.0	N	T	JC51890	2017-09-27	< 3.1 U	<b>425000</b>	-	-	< 4.0 U
SHALLOW	114-MW36A	114-MW36A-20170927-X	10.0	FD	T	JC51890	2017-09-27	< 3.1 U	<b>419000</b>	-	-	< 4.0 U
SHALLOW	114-MW37A	114-MW37A-20170928	12.5	N	T	JC52029	2017-09-28	< 3.1 U	23600	-	-	5.5 J
SHALLOW	114-MW38A	FORREST-114-MW38A-20171204	22.5	N	T	JC56504A	2017-12-04	< 6.3 U	49600	297	-	28.2 J
SHALLOW	114-MW41A	114-MW41A-20180420	12.5	N	T	JC64643	2018-04-20	< 16 U	<b>127000</b>	579	-	< 4.0 U
SHALLOW	114-MW42A	114-MW42A-20180417	9.5	N	T	JC64376	2018-04-17	< 3.1 U	<b>96800</b>	-	-	30.2
SHALLOW	114-MW43A	114-MW43A-20180417	9.5	N	T	JC64376	2018-04-17	< 3.1 U	<b>81900</b>	-	-	5.2 J
SHALLOW	135-MW2A	135-MW2A-10.0-20180423	10.0	N	T	JC64763	2018-04-23	< 3.1 U	-	1460	-	79.5
SHALLOW	135-MW2A	135-MW2A-14.0-20180423	14.0	N	T	JC64763	2018-04-23	< 3.1 U	-	1290	-	73.7
SHALLOW	135-MW2A	135-MW2A-6.0-20180423	6.0	N	T	JC64763	2018-04-23	< 3.1 U	-	1550	-	50.0
SHALLOW	135-P3C-MW102S	135-P3C-MW102S-12.0-20180423	12.0	N	T	JC64763	2018-04-23	< 3.1 U	-	807	-	23.3
<b>Shallow Zone Monitoring Wells Sampled Prior to Soil Remediation, and Subsequently Decommissioned</b>												
SHALLOW	114-MW20A	114-MW20A-11.0-20180420	11.0	N	T	JC64643	2018-04-20	< 3.1 U	<b>356000</b>	319	-	34.6
SHALLOW	114-MW20A	114-MW20A-8.0-20180420	8.0	N	T	JC64643	2018-04-20	< 3.1 U	<b>393000</b>	323	-	68.2
SHALLOW	114-MW22A	114-MW22A-11.0-20180419	11.0	N	T	JC64571	2018-04-19	< 3.1 U	<b>332000</b>	849	-	< 4.0 U
SHALLOW	114-MW22A	114-MW22A-16.0-20180419	16.0	N	T	JC64571	2018-04-19	< 3.1 U	<b>321000</b>	828	-	6.0 J
<b>Intermediate Zone Monitoring Well Samples</b>												
INTERMEDIATE	10W-MW105I	10W-MW105I-20180312	37.5	N	T	JC62130	2018-03-12	< 3.1 U	<b>115000</b>	-	-	10.3 J
INTERMEDIATE	114-MW20B	114-MW20B-20180419	37.5	N	T	JC64571	2018-04-19	< 16 U	<b>849000</b>	1150	-	< 400 U
INTERMEDIATE	114-MW22B	114-MW22B-20180419	30.5	N	D	JC64571	2018-04-19	< 3.1 U	<b>74200</b>	<b>2090</b>	-	< 4.0 U
INTERMEDIATE	114-MW22B	114-MW22B-20180419	30.5	N	T	JC64571	2018-04-19	< 3.1 U	<b>75100</b>	<b>2310</b>	-	< 4.0 U
INTERMEDIATE	114-MW24B	114-MW24B-20180312	33.0	N	T	JC62130	2018-03-12	< 3.1 U	<b>64100</b>	-	-	103
INTERMEDIATE	114-MW25B	114-MW25B-20170928	32.5	N	T	JC52029	2017-09-28	< 3.1 U	12000	-	-	< 4.0 U
INTERMEDIATE	114-MW26B	114-MW26B-20180313	35.5	N	D	JC62228	2018-03-13	< 3.1 U	47800	-	-	< 28.8 UB
INTERMEDIATE	114-MW26B	114-MW26B-20180313	35.5	N	T	JC62228	2018-03-13	< 3.1 U	47500	-	-	74.3
INTERMEDIATE	114-MW26B	114-MW26B-20180313X	35.5	FD	D	JC62228	2018-03-13	< 3.1 U	47700	-	-	< 24.4 UB
INTERMEDIATE	114-MW26B	114-MW26B-20180313X	35.5	FD	T	JC62228	2018-03-13	< 3.1 U	47400	-	-	82.5
INTERMEDIATE	114-MW27B	114-MW27B-20170928	32.5	N	T	JC52029	2017-09-28	< 3.1 U	17400	-	-	17.8 J
INTERMEDIATE	114-MW2B1-2I	FORREST-114-MW2B1-2I-20171206	35.5	N	T	JC56729A	2017-12-06	< 3.1 U	<b>535000</b>	1060	-	30.9
INTERMEDIATE	114-MW2B1-2I	FORREST-114-MW2B1-2I-20171206X	35.5	FD	T	JC56729A	2017-12-06	< 3.1 U	<b>538000</b>	1060	-	24.6
INTERMEDIATE	114-MW36B	114-MW36B-20170927	32.5	N	T	JC51890	2017-09-27	< 6.3 U	17100 J	-	-	114
INTERMEDIATE	114-MW37B	114-MW37B-20170926	32.5	N	T	JC51824	2017-09-26	< 3.1 U	31500	-	-	5.9 J
INTERMEDIATE	114-MW38B	FORREST-114-MW38B-20171204	39.5	N	T	JC56504A	2017-12-04	< 3.1 U	13700	162	-	44.9
INTERMEDIATE	114-MW41B	114-MW41B-20180420	24.5	N	T	JC64643	2018-04-20	< 16 U	<b>641000</b>	180	-	< 200 U
INTERMEDIATE	114-P1-IRM-5I	114-P1-IRM-5I-22.5-20171227	22.5	N	T	JC58073A	2017-12-27	< 3.1 U	<b>422000</b>	314	-	4.3 J
INTERMEDIATE	114-P1-IRM-5I	114-P1-IRM-5I-27.5-20171227	27.5	N	T	JC58073A	2017-12-27	< 3.1 U	<b>437000</b>	343	-	4.3 J
INTERMEDIATE	114-P1-IRM-5I	114-P1-IRM-5I-32.5-20171226	32.5	N	T	JC58028A	2017-12-26	< 3.1 U	<b>483000</b>	364	-	< 4.0 U
INTERMEDIATE	114-P1-IRM-5I	114-P1-IRM-5I-37.5-20171226	37.5	N	T	JC58028A	2017-12-26	< 3.1 U	<b>501000</b>	364	-	4.2 J
INTERMEDIATE	114-P1-MW-2I	114-P1-MW2I-22.5-20180116	22.5	N	T	JC58942	2018-01-16	< 3.1 U	<b>511000</b>	852	-	9.4 J
INTERMEDIATE	114-P1-MW-2I	114-P1-MW2I-27.5-20180116	27.5	N	T	JC58942	2018-01-16	< 3.1 U	<b>490000</b>	768	-	14.5 J
INTERMEDIATE	114-P1-MW-2I	114-P1-MW2I-32.5-20180116	32.5	N	T	JC58942	2018-01-16	< 3.1 U	<b>472000</b>	761	-	13.6 J
INTERMEDIATE	114-P1-MW-2I	114-P1-MW2I-37.5-20180116	37.5	N	T	JC58942	2018-01-16	< 3.1 U	<b>422000</b>	717	-	16.3 J
INTERMEDIATE	MW7D	MW7D-41.0-20180423	41.0	N	T	JC64763	2018-04-23	< 3.1 U	-	399	-	5.4 J
INTERMEDIATE	MW7D	MW7D-45.0-20180423	45.0	N	T	JC64763	2018-04-23	< 3.1 U	-	395	-	< 4.0 U
<b>Deep Zone Monitoring Well Samples</b>												
DEEP	114-MW20C	114-MW20C-20180419	80.5	N	T	JC64571	2018-04-19	< 3.1 U	<b>204000</b>	442	-	21.6
DEEP	114-MW25C	114-MW25C-20180313	44.5	N	D	JC62228	2018-03-13	< 3.1 U	21700	-	-	< 4.0 U
DEEP	114-MW25C	114-MW25C-20180313	44.5	N	T	JC62228	2018-03-13	< 16 U	25100 J	-	-	95.5 J
DEEP	114-P1B-MW103D	114-P1B-MW103D-20171214	53.5	N	T	JC57385	2017-12-14	< 16 U	<b>95700</b>	312	-	< 100 U
DEEP	114-P1B-MW103D	114-P1B-MW103D-20171214X	53.5	FD	T	JC57385	2017-12-14	< 16 U	<b>98800</b>	321	-	< 100 U
DEEP	114-P1-IRM-27D	114-P1-IRM-27D-35.0-20171222	35.0	N	T	JC57943A	2017-12-22	< 6.3 U	<b>365000</b>	232	-	< 4.0 U
DEEP	114-P1-IRM-27D	114-P1-IRM-27D-40.0-20171222	40.0	N	T	JC57943A	2017-12-22	< 6.3 U	<b>382000</b>	232	-	< 4.0 U
DEEP	114-P1-IRM-27D	114-P1-IRM-27D-45.0-20171221	45.0	N	T	JC57820	2017-12-21	3.1 J	<b>414000</b>	255	-	< 4.0 U
DEEP	114-P1-IRM-27D	114-P1-IRM-27D-50.0-20171221	50.0	N	T	JC57820	2017-12-21	3.2 J	<b>403000</b>	247	-	< 4.0 U
DEEP	MW6C	MW6C-57.0-20171220	57.0	N	T	JC57752	2017-12-20	< 3.1 U	<b>173000</b>	812	-	22.6
DEEP	MW6C	MW6C-62.0-20171220	62.0	N	T	JC57752	2017-12-20	< 3.1 U	<b>185000</b>	822	-	20.0

**Table 5-2**  
**Groundwater Analytical Results - Non-CCPW Metals**  
**Groundwater Remedial Investigation Report**  
**Garfield Avenue Group of Sites**  
**PPG, Jersey City, New Jersey**



**NOTES:**

1. The reporting convention for non-detects in environmental analytical chemistry is that non-detects be reported as less than the RL. Outputs from the database default to reporting non-detects as less than the MDL.
2. Results may be reporting as less than the MDL or RL, but above the associated regulatory standard when dilution is required due to the presence of a significant quantity of a target or non-target analyte, or an interference from a target or non-target analyte. The presence of other substances, or combinations of other substances in a sample can impact whether an analytical method can be used to achieve the lowest possible RL.
3. **Bold** - Indicates an exceedance of the NJDEP's GWQS.
4. A "-" indicates that the sample was not tested for the analyte.

**ABBREVIATIONS:**

bTOIC - below top of inner casing

CAS RN - Chemical Abstracts Service Registry Number

CCPW - Chromate Chemical Production Waste

Fractions:

D - dissolved/filtered

T - total/unfiltered

ft - feet

GWQS - Groundwater Quality Standard

MDL - method detection limit

N/A - not applicable

NJDEP - New Jersey Department of Environmental Protection

RL - reporting limit

Sample Types:

N - normal environmental sample

FD - field duplicate sample

SDG - sample delivery group

ug/L - micrograms per liter

**QUALIFIERS:**

J - Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample. J+ or J- is used when the direction of bias can be determined.

JB - The analyte concentration is greater than three (3) times, but less than or equal to ten (10) times the concentration in the associated method/preparation blank. The presence of that analyte in the sample is considered "real" but the concentration is quantitatively qualified due to method blank contamination.

U - Indicates the analyte was not detected in the sample above the sample RL.

UB - The analyte concentration is less than or equal to three (3) times the concentration in the associated method/preparation blank. The presence of the analyte in the sample is negated due to laboratory blank contamination.