

**Table 5-7
Analytical Results - VOCs Compared to IGW SSL
Garfield Avenue Group
PPG, Jersey City, New Jersey**

Location	Depth Interval	Sample ID	Lab ID	Date Collected	Sample Type	Depth to Groundwater	1,2,4-TRICHLOROBENZENE 120-82-1 mg/kg 0.7		1,4-DICHLOROBENZENE 106-46-7 mg/kg 2		BENZENE 71-43-2 mg/kg 0.005		TETRACHLOROETHENE 127-18-4 mg/kg 0.005	
							Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
EF-05	2.5 - 3.0 ft	EF-B05-2.5	460-25190-11	4/11/2011	N	4.2	< 0.0010	U	< 0.0013	U	< 0.0014	U	< 0.00063	U
EF-07	2.5 - 3.0 ft	EF-B07-2.5	460-25301-13	4/13/2011	N	7.1	0.93		4.8		1.5		< 0.047	U
EF-07	6.0 - 6.5 ft	EF-B07-6.0	460-25350-1	4/14/2011	N	7.1	0.049		0.11		< 0.00083	U	< 0.00037	U
EF-08	2.5 - 3.0 ft	EF-B08-2.5	460-25301-17	4/13/2011	N	6.8	< 0.00065	U	< 0.00087	U	0.093		< 0.00040	U
EF-09	2.5 - 3.0 ft	EF-B09-2.5	460-25350-16	4/14/2011	N	5.7	< 0.52	U	< 0.18	U	0.55	J	< 0.23	U
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5	JB15919-4	9/10/2012	N	7.4	< 0.00018	U	< 0.00023	U				
EF-108	1.0 - 1.5 ft	EF-B108-1.0-1.5X	JB15919-5	9/10/2012	FD	7.4	< 0.00016	U	< 0.00020	U				
EF-109	1.0 - 1.5 ft	EF-B109-1.0-1.5	JB15988-14	9/11/2012	N	7	< 0.00021	U	< 0.00026	U			0.0015	J
EF-11	2.5 - 3.0 ft	EF-11-2.5	460-26239-13	5/6/2011	N	3.8	< 0.00070	U	< 0.00092	U	< 0.00096	U	< 0.00043	U
EF-114	1.0 - 1.5 ft	EF-B114-1.0-1.5	JB15919-9	9/10/2012	N	4.8							< 0.00021	U
EF-114	1.0 - 1.5 ft	EF-B114-1.0-1.5X	JB15919-10	9/10/2012	FD	4.8							< 0.00020	U
EF-58	2.5 - 3.0 ft	EF-B58-2.5	460-27347-6	6/7/2011	N	5.8	< 0.00058	U	< 0.00077	U	< 0.00080	U	< 0.00036	U
H1B	0.2 - 0.7 ft	H1B-0.2	460-34629-1	12/10/2011	N	5.7	< 0.00070	UJ	< 0.00092	UJ	< 0.00096	UJ	< 0.00043	UJ
H1B	5.0 - 5.5 ft	H1B-5.0	460-34629-2	12/10/2011	N	5.7	< 0.0010	UJ	< 0.0014	UJ	< 0.0014	UJ	< 0.00064	UJ
H2B	5.0 - 5.5 ft	H2B-5.0	460-34629-8	12/10/2011	N	5.9	< 0.00072	UJ	< 0.00096	UJ	< 0.0010	UJ	< 0.00045	UJ
H3B	1.5 - 2.0 ft	H3B-1.5	460-34629-40	12/11/2011	N	5.7	< 0.00091	U	< 0.0012	U	< 0.0013	U	0.0031	
H3B	5.0 - 5.5 ft	H3B-5.0	460-34629-41	12/11/2011	N	5.7	< 0.00080	U	< 0.0011	U	< 0.0011	U	0.0012	J
OSB-22	4.0 - 4.5 ft	NJD981084668-7/25/2006-05B22S1	756292	7/25/2006	N	5.6	< 0.047*	U	< 0.47*	U	< 0.0016	U	< 0.0016	U
P4-HSN-EE7A	0.0 - 0.5 ft	P4-HSN-EE7A-0.0-0.5	JC19964-21A	5/10/2016	N	4.7	< 0.00025	U	< 0.00021	UJ	< 0.00016	U	< 0.00038	U
P4-HSN-EE7A	2.0 - 2.5 ft	P4-HSN-EE7A-2.0-2.5	JC19964-28A	5/10/2016	N	4.7	< 0.00025	U	< 0.00021	U	< 0.00016	U	< 0.00038	U
P4-HSN-EE7A	4.0 - 4.5 ft	P4-HSN-EE7A-4.0-4.5	JC19964-29A	5/10/2016	N	4.7	< 0.00027	U	< 0.00023	U	< 0.00018	U	< 0.00042	U
PSEG-SB62	1.5 - 2.0 ft	NJD981084668-8/17/2007-1	854412	8/17/2007	N	4.1	< 0.083*	U	< 0.83*	U	0.27		< 0.17	U

Notes:

- *These samples were analyzed via method SW8260. All other samples were analyzed via method SW8270C
 - 1. Results are reported in milligrams per kilogram (mg/kg).
 - 2. Depths are presented in feet (ft) below ground surface (bgs).
 - 3. Depth to groundwater based on 2011 groundwater gauging and soil boring logs used to determine the unsaturated zone.
 - 4. **Bold** values indicate a detected result that exceeds the DIGWSSL.
 - 5. 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, benzene and tetrachloroethene were the only VOCs delineated in the SSRI based upon the IGW SSL. Additional VOCs were delineated to the IGW SSLs in the 2012 RIR.
- CAS-RN = Chemical Abstract Service Registry Number
Sample Type = N indicates normal original sample; FD indicates duplicate sample.
DIGWSSL = NJDEP Default Impact to Groundwater Soil Screening Level
IGW = Impact to Groundwater Soil Screening Level
NJDEP = New Jersey Department of Environmental Protection
RIR = Remedial Investigation Report
SSL - Soil Screening Level
SSRI = Supplemental Remedial Investigation
VOC - volatile organic compound
- J - Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.
B - Indicates the analyte was found in associated blank.
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.

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