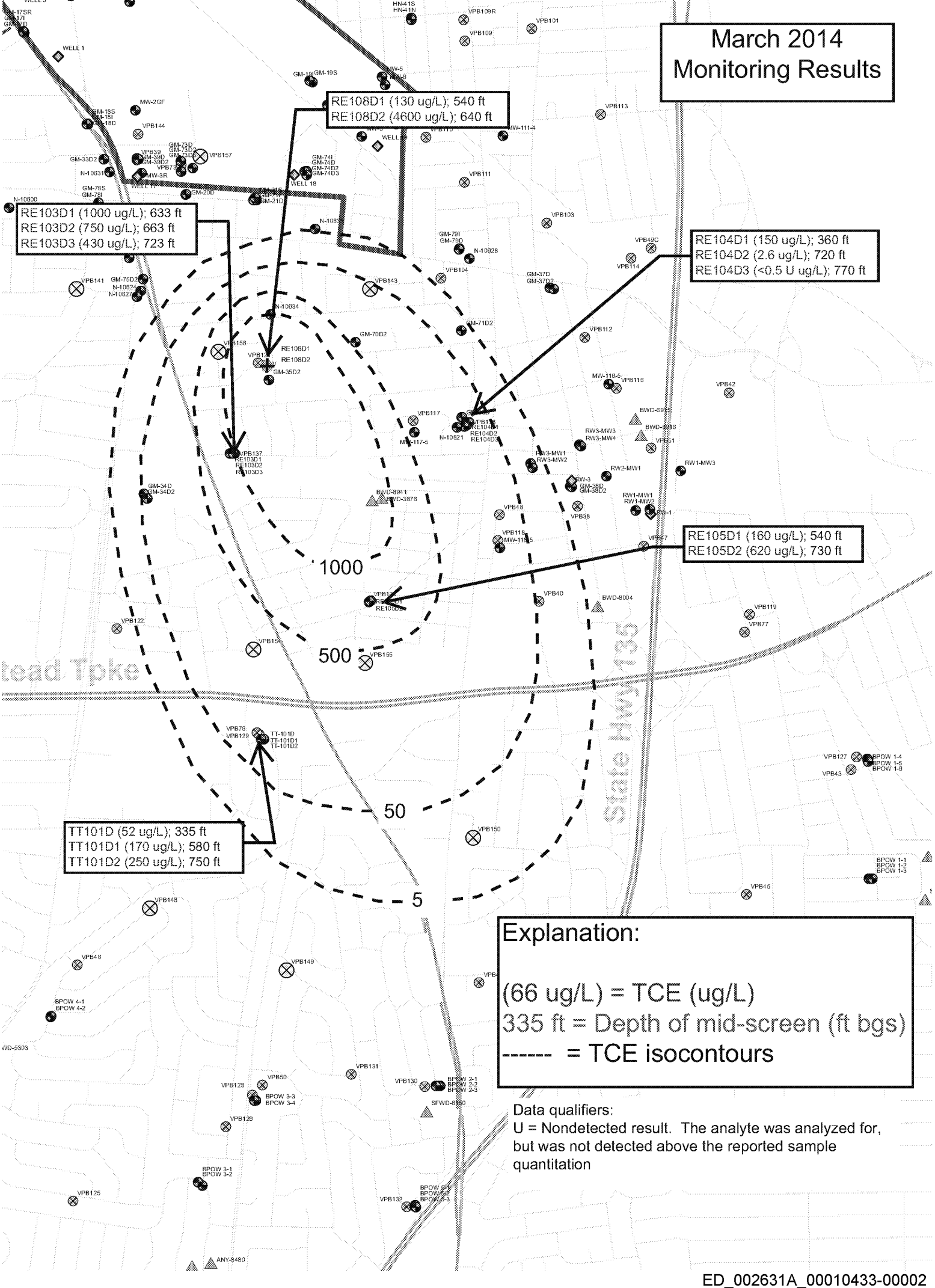
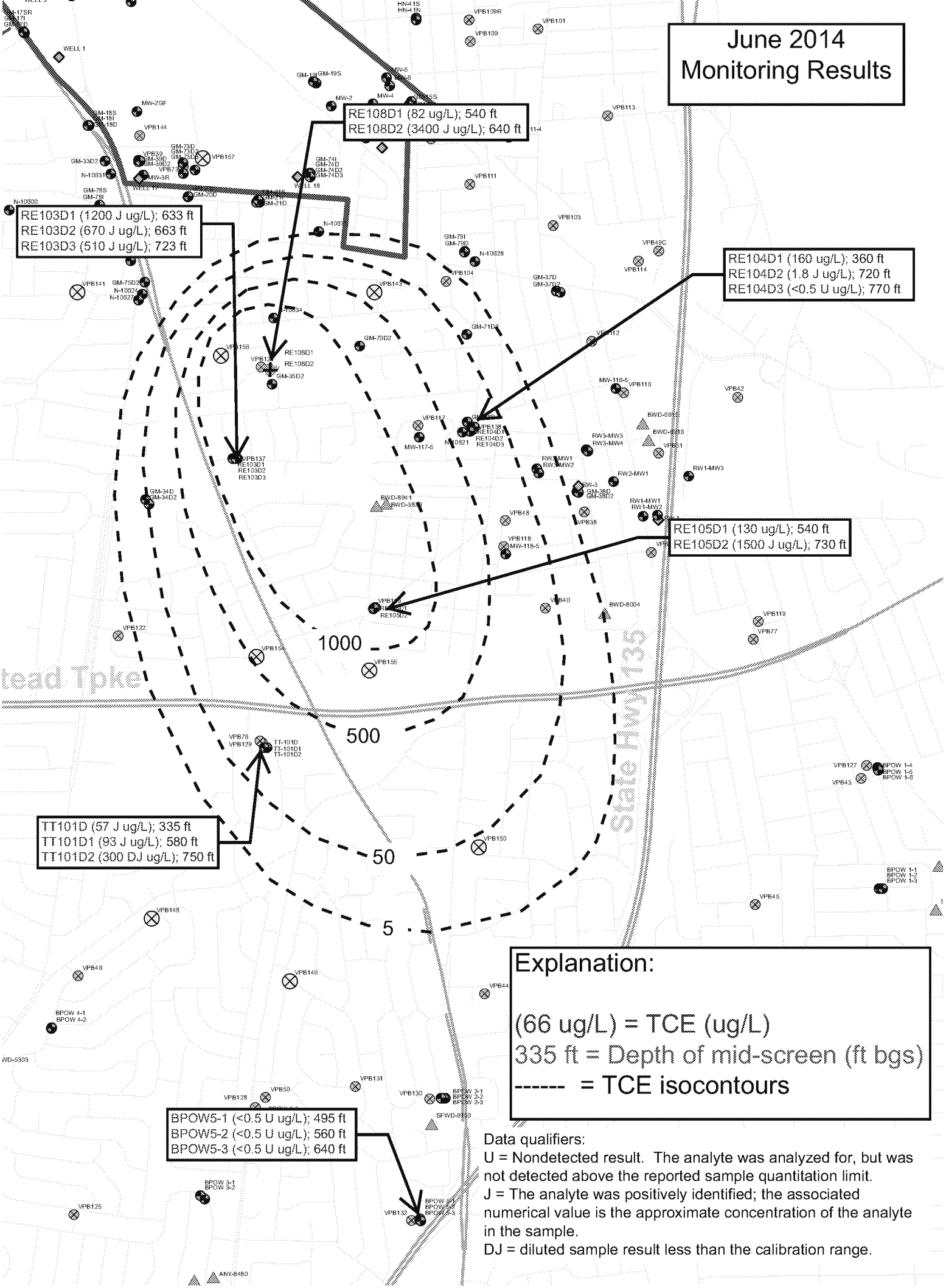
Contoured TCE Plume Maps

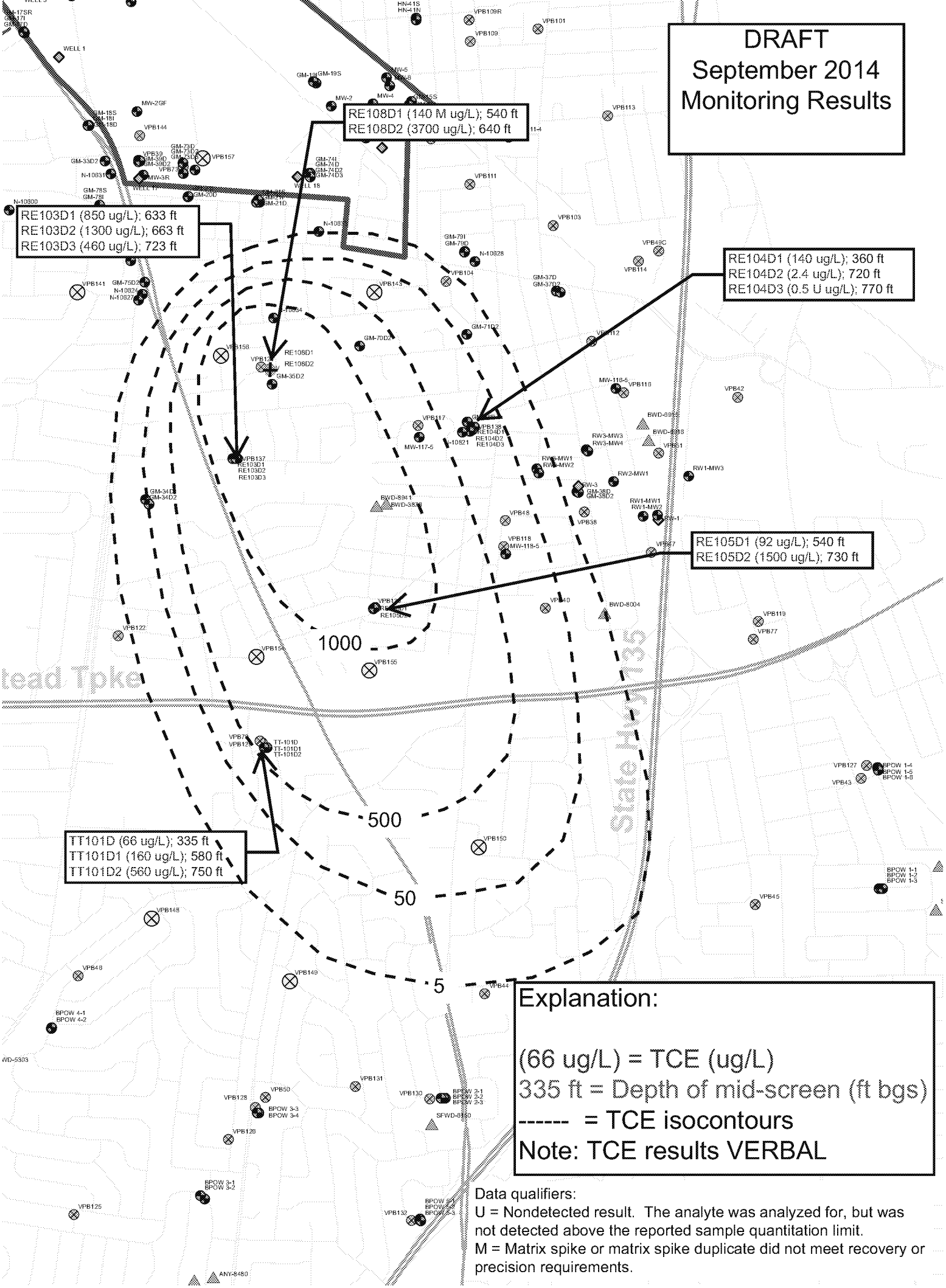
March, June and September 2014 Groundwater Sampling Events



Data qualifiers:
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation



Data qualifiers:
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
DJ = diluted sample result less than the calibration range.



Data qualifiers:
U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
M = Matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

Analytical Data Summary Table

March 2014 Groundwater Sampling Event

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE103D1	RE103D2	RE103D3	RE104D1
Sample Date		3/11/2014	3/11/2014	3/11/2014	3/12/2014
Sample ID		RE103D1-GW-031114	RE103D2-GW-031114	RE103D3-GW-031114	RE104D1-GW-031214
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.75 J**	< 0.50 U	< 0.50 U	**0.47 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**16**	**4.2**	**2.2**	**6.0**
1,1,2-TRICHLOROETHANE	1	**0.79 J**	**0.60 J**	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	**1.3**	**0.81 J**	**0.48 J**	**0.53 J**
1,1-DICHLOROETHENE	5	**9.8**	**1.0**	**0.61 J**	**1.6**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**4.4**	**1.8 J**	**1.0 J**	**2.1**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	< 50 UJ	< 50 UJ	< 50 UJ	< 50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	0.47 J	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**0.76 J**	**1.1**	**0.77 J**	**0.34 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**4.4**	**1.8**	**1.0**	**2.1**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	**8.1**	**0.93 J**	**0.45 J**	**2.3**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**1000**	**750**	**430**	**150**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE104D2	RE104D3	RE105D1	RE105D2
Sample Date		3/12/2014	3/12/2014	3/11/2014	3/11/2014
Sample ID		RE104D2-GW-031214	RE104D3-GW-031214	RE105D1-GW-031114	RE105D2-GW-031114
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	**0.42 J**	**0.38 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	< 0.50 U	**11**	**14**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	0.97 J
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	**1.1**
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	**1.5**	**3.1**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.99 J**	< 1.0 U	**2.6**	**2.6**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	< 50 UJ	< 50 UJ	< 50 UJ	< 50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	**2.1**
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	< 0.50 U	**0.45 J**	**2.0**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.99 J**	< 0.50 U	**2.6**	**2.6**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**2.6**	< 0.50 U	**160**	**620**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE108D1	RE108D2	TT101D	TT101D
Sample Date		3/12/2014	3/12/2014	3/13/2014	3/13/2014
Sample ID		RE108D1-GW-031214	RE108D2-GW-031214	GW-D-031314	TT101D-GW-031314
Sample type code		N	N	FD	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	**1.7**	< 0.50 U	**0.22 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**0.70 J**	**10**	**0.97 J**	**0.93 J**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	**2.4**	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	< 0.50 U	**6**	**0.58 J**	**0.56 J**
1,1-DICHLOROETHENE	5	< 0.50 U	**12**	**1.3**	**1.2**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.29 J**	**10**	**2.5**	**2.5**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	< 50 UJ	< 50 UJ	< 50 UJ	< 50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	**3.2**	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	**4.8**	**0.46 J**	**0.46 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.29 J**	**10**	**2.5**	**2.5**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	**1.5**	**2.9**	< 0.50 U	< 0.50 U
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**130**	**4600**	**52**	**52**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TT101D1	TT101D2
Sample Date		3/13/2014	3/13/2014
Sample ID		TT101D1-GW-031314	TT101D2-GW-031314
Sample type code		N	N
VOC 8260B (ug/L)			
1,1,1-TRICHLOROETHANE	5	**0.68 J**	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**18**	**14**
1,1,2-TRICHLOROETHANE	1	0.49 J	< 0.50 U
1,1-DICHLOROETHANE	5	**0.63 J**	< 0.50 U
1,1-DICHLOROETHENE	5	**4.3**	**2.1**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**2.0**	**1.6 J**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	< 50 UJ	< 50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U
ACETONE	50	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	**2.1**	**1.2**
CHLOROBENZENE	5	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**1.1**	**0.78 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**2.0**	**1.6**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	0.50 J
TOLUENE	5	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**170**	**250**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (TOGS 1.1.1) Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detect exceeds NYS Groundwater Standards

Yellow highlighted values exceed Groundwater Standards

Sample Type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Analytical Data Summary Table

June 2014 Groundwater Sampling Event

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE103D1	RE103D2	RE103D3	RE104D1
Sample Date		6/11/2014	6/11/2014	6/11/2014	6/12/2014
Sample ID		RE103D1-GW-061114	RE103D2-GW-061114	RE103D3-GW-061114	RE104D1-GW-061214
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	**0.41 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**18**	**3.8**	**2.9**	**6.7**
1,1,2-TRICHLOROETHANE	1	**0.68 J**	**0.37 J**	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	**1.3**	**0.67 J**	**0.64 J**	**0.44 J**
1,1-DICHLOROETHENE	5	**9.4**	**0.61 J**	**0.71 J**	**1.5**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**4.2**	**1.1 J**	**0.87 J**	**1.6 J**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	**20**	**1.0**	**0.92**	**12**
2-BUTANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	**0.54 J**	< 0.50 U	**0.30 J**	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**0.95 J**	**0.96 J**	**0.94 J**	**0.37 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**4.2**	**1.1**	**0.87 J**	**1.6**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	**0.54 J**	< 1.0 U	< 1.0 U	**0.98 J**
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	**4.9**	**0.77 J**	< 0.50 U	**2.4**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**1200 J**	**670 J**	**510 J**	**160**
TRICHLOROFLUOROMETHANE	5	**0.25 J**	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE104D2	RE104D3	RE105D1	RE105D1
Sample Date		6/12/2014	6/12/2014	6/11/2014	6/11/2014
Sample ID		RE104D2-GW-061214	RE104D3-GW-061214	RE105D1-GW-061114	GWDUP-061114
Sample type code		N	N	N	FD
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	**0.62 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	< 0.50 U	**12**	**13**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	**0.39 J**	**0.40 J**
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	**1.5**	**1.7**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.84 J**	< 1.0 U	**1.9 J**	**1.9 J**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	< 0.17 U	< 0.17 U	**15**	**18**
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	< 2.5 U	< 2.5 U	< 2.5 U	**6.8 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 UJ	**0.24 J**	**0.27 J**
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	< 0.50 U	**0.50 J**	**0.47 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.84 J**	< 0.50 U	**1.9**	**1.9**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	**1.4 J**	**1.4 J**
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**1.8 J**	< 0.50 U	**130**	**140**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE105D2	RE108D1	RE108D2	BPOW5-1
Sample Date		6/11/2014	6/10/2014	6/10/2014	6/13/2014
Sample ID		RE105D2-GW-061114	RE108D1-GW-061014	RE108D2-GW-061014	BPOW5-1-GW-061314
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.71 J**	< 0.50 U	**1.3**	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**32**	**0.58 J**	**8.7**	< 0.50 U
1,1,2-TRICHLOROETHANE	1	**1.2**	< 0.50 U	**1.8**	< 0.50 U
1,1-DICHLOROETHANE	5	**1.5**	< 0.50 U	**5.8**	< 0.50 U
1,1-DICHLOROETHENE	5	**6.2**	< 0.50 U	**8.2**	< 0.50 U
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	< 0.75 U
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**3.1**	< 1.0 U	**9.9**	< 1.0 U
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DIOXANE	NL	**6.2**	**7.1**	**6.9**	< 0.17 U
2-BUTANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	**4.7**	< 0.50 U	**2.0**	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**2.3**	< 0.50 U	**4.2**	< 0.50 U
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**3.1**	< 0.50 U	**9.9**	< 0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	< 0.50 U
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	**0.58 J**	< 1.0 U	**0.27 J**	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	**0.77 J**	**0.59 J**	**1.6**	< 0.50 U
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	< 0.50 U
TRICHLOROETHENE	5	**1500 J**	**82**	**3400 J**	< 0.50 U
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Table 2. Analytical Data Summary

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	BPOW5-2	BPOW5-3	TT-101D	TT-101D1
Sample Date		6/13/2014	6/13/2014	5/27/2014	5/27/2014
Sample ID		BPOW5-2-GW-061314	BPOW5-3-GW-061314	TT-101D	TT-101D1
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	**0.5 J**	**0.55 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	< 0.50 U	**13 J**	**8.3 J**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	**0.29 J**	**0.49 J**
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	**0.84 J**	**0.66 J**
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	**4.0 J**	**3.0 J**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U		
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 0.75 U	< 0.75 U		
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	**0.33 J**	**0.29 J**
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	***<5.0 J***	***<5.0 J***
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U		
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 U		
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U		
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U		
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U		
1,4-DIOXANE	NL	< 0.17 U	**0.55**		
2-BUTANONE	50	< 2.5 UJ	< 2.5 UJ	<50.0 J	<50.0 J
2-HEXANONE	50	< 2.5 U	< 2.5 U	<50.0 J	<50.0 J
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	<50.0 J	<50.0 J
ACETONE	50	< 2.5 U	< 2.5 U	<50.0 J	<50.0 J
BENZENE	1	< 0.50 U	< 0.50 U	<0.70 J	<0.70 J
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
BROMOFORM	50	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
BROMOMETHANE	5	< 1.0 U	< 1.0 U	<5.0 J	<5.0 J
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	**0.24 J**	**1.2 J**
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	<5.0 J	<5.0 J
CHLOROFORM	7	< 0.50 U	< 0.50 U	**0.55 J**	**0.90 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	<5.0 J	<5.0 J
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	**3.3 J**	**2.0 J**
CIS-1,3-DICHLOROPROPENE	0.4	< 0.50 U	< 0.50 U	***<5.0 J***	***<5.0 J***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U		
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ		
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U		
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U		
METHYL ACETATE	NL	< 0.75 U	< 0.75 U		
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U		
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U		
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	<5.0 J	<5.0 J
O-XYLENE	NL	< 0.50 U	< 0.50 U		
STYRENE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
TOLUENE	5	< 0.50 U	< 0.50 U	<5.0 J	**0.31 J**
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
TRANS-1,3-DICHLOROPROPENE	0.4	< 0.50 U	< 0.50 U	<5.0 J	<5.0 J
TRICHLOROETHENE	5	< 0.50 U	< 0.50 U	**57 J**	**93 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	<2.0 J	<2.0 J
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	***<5.0 J***	***<5.0 J***
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	<5.0 J	<5.0 J

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TT-101D2
Sample Date		5/27/2014
Sample ID		TT-101D2
Sample type code		N
VOC 8260B (ug/L)		
1,1,1-TRICHLOROETHANE	5	**0.35 J**
1,1,2,2-TETRACHLOROETHANE	5	<5.0 J
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**11 J**
1,1,2-TRICHLOROETHANE	1	**0.59 J**
1,1-DICHLOROETHANE	5	**0.64J**
1,1-DICHLOROETHENE	5	**2.2 J**
1,2,4-TRICHLOROBENZENE	5	
1,2-DIBROMO-3-CHLOROPROPANE	0.04	
1,2-DIBROMOETHANE	NL	<5.0 J
1,2-DICHLOROBENZENE	3	***<5.0 J***
1,2-DICHLOROETHANE	5	
1,2-DICHLOROETHENE, TOTAL	5	
1,2-DICHLOROPROPANE	1	
1,3-DICHLOROBENZENE	3	
1,4-DICHLOROBENZENE	3	
1,4-DIOXANE	NL	
2-BUTANONE	50	<50.0 J
2-HEXANONE	50	<50.0 J
4-METHYL-2-PENTANONE	NL	<50.0 J
ACETONE	50	**2.0 J**
BENZENE	1	<0.70 J
BROMODICHLOROMETHANE	50	<5.0 J
BROMOFORM	50	<5.0 J
BROMOMETHANE	5	<5.0 J
CARBON DISULFIDE	60	<5.0 J
CARBON TETRACHLORIDE	5	**0.86 J**
CHLOROBENZENE	5	<5.0 J
CHLOROETHANE	5	<5.0 J
CHLOROFORM	7	**0.76 J**
CHLOROMETHANE	5	<5.0 J
CIS-1,2-DICHLOROETHENE	5	**1.9 J**
CIS-1,3-DICHLOROPROPENE	0.4	***<5.0 J***
CYCLOHEXANE	NL	
DIBROMOCHLOROMETHANE	5	<5.0 J
DICHLORODIFLUOROMETHANE	5	
ETHYLBENZENE	5	<5.0 J
ISOPROPYLBENZENE	5	
M- AND P-XYLENE	NL	
METHYL ACETATE	NL	
METHYL CYCLOHEXANE	NL	
METHYL TERT-BUTYL ETHER	10	
METHYLENE CHLORIDE	5	<5.0 J
O-XYLENE	NL	
STYRENE	5	<5.0 J
TETRACHLOROETHENE	5	**0.29 J**
TOLUENE	5	**0.36 J**
TRANS-1,2-DICHLOROETHENE	5	<5.0 J
TRANS-1,3-DICHLOROPROPENE	0.4	<5.0 J
TRICHLOROETHENE	5	**300 DJ**
TRICHLOROFLUOROMETHANE	5	<2.0 J
VINYL CHLORIDE	2	***<5.0 J***
XYLENES, TOTAL	5	<5.0 J

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)

Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics***=Not detect exceeds NYS Groundwater Standards or guidance value

Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

DJ = Diluted sample result less than the calibration range.

TT101D, TT101D1, TT101D2 sampled by Arcadis.

Preliminary Analytical Data Summary Table

September 2014 Groundwater Sampling Event

Table 2. Analytical Data Summary
PRELIMINARY DATA

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE103D1	RE103D2	RE103D3	RE104D1
Sample Date		9/23/2014	9/23/2014	9/23/2014	9/24/2014
Sample ID		RE103D1-GW-09232014	RE103D2-GW-09232014	RE103D3-GW-09232014	RE104D1-GW-09242014
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.55J**	0.50U	0.50U	**0.31J**
1,1,2,2-TETRACHLOROETHANE	5	0.50U	0.50U	0.50U	0.50U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**16**	**5.3**	**2.6**	**5.9**
1,1,2-TRICHLOROETHANE	1	**0.82J**	**0.47J**	0.50U	0.50U
1,1-DICHLOROETHANE	5	**1.3**	**0.73J**	**0.55J**	**0.40J**
1,1-DICHLOROETHENE	5	**5.9**	**1.1**	**0.39J**	**1.2**
1,2,4-TRICHLOROBENZENE	5	0.50U	0.50U	0.50U	0.50U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***0.75U***	***0.75U***	***0.75U***	***0.75U***
1,2-DIBROMOETHANE	NL	0.50U	0.50U	0.50U	0.50U
1,2-DICHLOROBENZENE	3	0.50U	0.50U	0.50U	0.50U
1,2-DICHLOROETHANE	5	0.50U	0.50U	0.50U	0.50U
1,2-DICHLOROETHENE, TOTAL	5	**4.5**	**1.8J**	**1.0J**	**1.8J**
1,2-DICHLOROPROPANE	1	0.50U	0.50U	0.50U	0.50U
1,3-DICHLOROBENZENE	3	0.50U	0.50U	0.50U	0.50U
1,4-DICHLOROBENZENE	3	0.50U	0.50U	0.50U	0.50U
2-BUTANONE	50	2.5U	2.5U	2.5U	2.5U
2-HEXANONE	50	2.5U	2.5U	2.5U	2.5U
4-METHYL-2-PENTANONE	NL	2.5U	2.5U	2.5U	2.5U
ACETONE	50	2.5U	2.5U	2.5U	2.5U
BENZENE	1	0.50U	0.50U	0.50U	0.50U
BROMODICHLOROMETHANE	50	0.50U	0.50U	0.50U	0.50U
BROMOFORM	50	0.50U	0.50U	0.50U	0.50U
BROMOMETHANE	5	1.0U	1.0U	1.0U	1.0U
CARBON DISULFIDE	60	0.50U	0.50U	0.50U	0.50U
CARBON TETRACHLORIDE	5	0.50U	0.50U	0.50U	0.50U
CHLOROBENZENE	5	0.50U	0.50U	0.50U	0.50U
CHLOROETHANE	5	1.0U	1.0U	1.0U	1.0U
CHLOROFORM	7	**1.0**	**1.1**	**0.69J**	0.50U
CHLOROMETHANE	5	1.0U	1.0U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	5	**4.5**	**1.8**	**1.0**	**1.8**
CIS-1,3-DICHLOROPROPENE	0.4	***0.50U***	***0.50U***	***0.50U***	***0.50U***
CYCLOHEXANE	NL	0.50U	0.50U	0.50U	0.50U
DIBROMOCHLOROMETHANE	5	0.50U	0.50U	0.50U	0.50U
DICHLORODIFLUOROMETHANE	5	**0.28J**	1.0U	1.0U	**0.52J**
ETHYLBENZENE	5	0.50U	0.50U	0.50U	0.50U
ISOPROPYLBENZENE	5	0.50U	0.50U	0.50U	0.50U
M- AND P-XYLENE	NL	1.0U	1.0U	1.0U	1.0U
METHYL ACETATE	NL	0.75U	0.75U	7.5U	0.75U
METHYL CYCLOHEXANE	NL	0.50U	0.50U	0.50U	0.50U
METHYL TERT-BUTYL ETHER	10	0.50U	0.50U	0.50U	0.50U
METHYLENE CHLORIDE	5	2.5U	2.5U	2.5U	2.5U
O-XYLENE	NL	0.50U	0.50U	0.50U	0.50U
STYRENE	5	0.50U	0.50U	0.50U	0.50U
TETRACHLOROETHENE	5	**4.7**	**1.1**	0.50U	**2.8**
TOLUENE	5	0.50U	0.50U	0.50U	0.50U
TRANS-1,2-DICHLOROETHENE	5	0.50U	0.50U	0.50U	0.50U
TRANS-1,3-DICHLOROPROPENE	0.4	***0.50U***	***0.50U***	***0.50U***	***0.50U***
TRICHLOROETHENE	5	**850**	**1300**	**460**	**140**
TRICHLOROFLUOROMETHANE	5	1.0U	1.0U	1.0U	1.0U
VINYL CHLORIDE	2	1.0U	1.0U	1.0U	1.0U
XYLENES, TOTAL	5	1.5U	1.5U	1.5U	1.5U

Table 2. Analytical Data Summary
PRELIMINARY DATA

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE104D2	RE104D3	RE108D1	RE108D2
Sample Date		9/24/2014	9/24/2014	9/24/2014	9/24/2014
Sample ID		RE104D2-GW-09242014	RE104D3-GW-09242014	RE108D1-GW-09242014	RE108D2-GW-09242014
Sample type code		N	N	N	N
VOC 8260B (ug/L)					
1,1,1-TRICHLOROETHANE	5	0.50U	0.50U	0.50U	**1.2**
1,1,2,2-TETRACHLOROETHANE	5	0.50U	0.50U	0.50U	0.50U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	0.50U	0.50U	**1.4**	**7.4**
1,1,2-TRICHLOROETHANE	1	0.50U	0.50U	0.50U	**1.8**
1,1-DICHLOROETHANE	5	0.50U	0.50U	0.50U	**4.8**
1,1-DICHLOROETHENE	5	0.50U	0.50U	**0.43J**	**7.6**
1,2,4-TRICHLOROBENZENE	5	0.50U	0.50U	0.50U	0.50U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***0.75U***	***0.75U***	***0.75U***	***0.75U***
1,2-DIBROMOETHANE	NL	0.50U	0.50U	0.50U	0.50U
1,2-DICHLOROBENZENE	3	0.50U	0.50U	0.50U	0.50U
1,2-DICHLOROETHANE	5	0.50U	0.50U	0.50U	0.50U
1,2-DICHLOROETHENE, TOTAL	5	**1.4J**	1.0U	**0.44J**	**9.9**
1,2-DICHLOROPROPANE	1	0.50U	0.50U	0.50U	0.50U
1,3-DICHLOROBENZENE	3	0.50U	0.50U	0.50U	0.50U
1,4-DICHLOROBENZENE	3	0.50U	0.50U	0.50U	0.50U
2-BUTANONE	50	2.5U	2.5U	2.5U	2.5U
2-HEXANONE	50	2.5U	2.5U	2.5U	2.5U
4-METHYL-2-PENTANONE	NL	2.5U	2.5U	2.5U	2.5U
ACETONE	50	2.5U	2.5U	2.5U	2.5U
BENZENE	1	0.50U	0.50U	0.50U	0.50U
BROMODICHLOROMETHANE	50	0.50U	0.50U	0.50U	0.50U
BROMOFORM	50	0.50U	0.50U	0.50U	0.50U
BROMOMETHANE	5	1.0U	1.0U	1.0U	1.0U
CARBON DISULFIDE	60	0.50U	0.50U	0.50U	0.50U
CARBON TETRACHLORIDE	5	0.50U	0.50U	0.50U	**0.83J**
CHLOROBENZENE	5	0.50U	0.50U	0.50U	0.50U
CHLOROETHANE	5	1.0U	1.0U	1.0U	1.0U
CHLOROFORM	7	**0.47J**	0.50U	0.50U	**3.5**
CHLOROMETHANE	5	1.0U	1.0U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	5	**1.4**	0.50U	**0.44J**	**9.9**
CIS-1,3-DICHLOROPROPENE	0.4	***0.50U***	***0.50U***	***0.50U***	***0.50U***
CYCLOHEXANE	NL	0.50U	0.50U	0.50U	0.50U
DIBROMOCHLOROMETHANE	5	0.50U	0.50U	0.50U	0.50U
DICHLORODIFLUOROMETHANE	5	1.0U	1.0U	1.0U	1.0U
ETHYLBENZENE	5	0.50U	0.50U	0.50U	0.50U
ISOPROPYLBENZENE	5	0.50U	0.50U	0.50U	0.50U
M- AND P-XYLENE	NL	1.0U	1.0U	1.0U	1.0U
METHYL ACETATE	NL	0.75U	0.75U	0.75U	0.75U
METHYL CYCLOHEXANE	NL	0.50U	0.50U	0.50U	0.50U
METHYL TERT-BUTYL ETHER	10	0.50U	0.50U	0.50U	0.50U
METHYLENE CHLORIDE	5	2.5U	2.5U	2.5U	2.5U
O-XYLENE	NL	0.50U	0.50U	0.50U	0.50U
STYRENE	5	0.50U	0.50U	0.50U	0.50U
TETRACHLOROETHENE	5	0.50U	0.50U	**1.6**	**1.7**
TOLUENE	5	0.50U	0.50U	0.50U	0.50U
TRANS-1,2-DICHLOROETHENE	5	0.50U	0.50U	0.50U	0.50U
TRANS-1,3-DICHLOROPROPENE	0.4	***0.50U***	***0.50U***	***0.50U***	***0.50U***
TRICHLOROETHENE	5	**2.4**	0.50U	**140M**	**3700**
TRICHLOROFLUOROMETHANE	5	1.0U	1.0U	1.0U	1.0U
VINYL CHLORIDE	2	1.0U	1.0U	1.0U	1.0U
XYLENES, TOTAL	5	1.5U	1.5U	1.5U	1.5U

Table 2. Analytical Data Summary
PRELIMINARY DATA

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE108D2	RE105D1	RE105D2
Sample Date		9/24/2014	9/26/2014	9/26/2014
Sample ID		DUP-GW-09242014	RE105D1-GW-09262014	RE105D2-GW-09262014
Sample type code		FD	N	N
VOC 8260B (ug/L)				
1,1,1-TRICHLOROETHANE	5	**1.1**	**0.52J**	0.50U
1,1,2,2-TETRACHLOROETHANE	5	0.50U	0.50U	0.50U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**7.5**	**12**	**28**
1,1,2-TRICHLOROETHANE	1	**1.7**	0.50U	**1.2**
1,1-DICHLOROETHANE	5	**5.2**	**0.33J**	**1.5**
1,1-DICHLOROETHENE	5	**7.6**	**1.6**	**5.5**
1,2,4-TRICHLOROBENZENE	5	0.50U	0.50U	0.50U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***0.75U***	***0.75U***	***0.75U***
1,2-DIBROMOETHANE	NL	0.50U	0.50U	0.50U
1,2-DICHLOROBENZENE	3	0.50U	0.50U	0.50U
1,2-DICHLOROETHANE	5	0.50U	0.50U	0.50U
1,2-DICHLOROETHENE, TOTAL	5	**9.7**	**1.9J**	**3.5**
1,2-DICHLOROPROPANE	1	0.50U	0.50U	0.50U
1,3-DICHLOROBENZENE	3	0.50U	0.50U	0.50U
1,4-DICHLOROBENZENE	3	0.50U	0.50U	0.50U
2-BUTANONE	50	2.5U	2.5U	2.5U
2-HEXANONE	50	2.5U	2.5U	2.5U
4-METHYL-2-PENTANONE	NL	2.5U	2.5U	2.5U
ACETONE	50	2.5U	2.5U	2.5U
BENZENE	1	0.50U	0.50U	0.50U
BROMODICHLOROMETHANE	50	0.50U	0.50U	0.50U
BROMOFORM	50	0.50U	0.50U	0.50U
BROMOMETHANE	5	1.0U	1.0U	1.0U
CARBON DISULFIDE	60	0.50U	0.50U	0.50U
CARBON TETRACHLORIDE	5	**0.88J**	0.50U	**3.5**
CHLOROBENZENE	5	0.50U	0.50U	0.50U
CHLOROETHANE	5	1.0U	1.0U	1.0U
CHLOROFORM	7	**3.6**	**0.40J**	**2.2**
CHLOROMETHANE	5	1.0U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	5	**9.7**	**1.9**	**3.5**
CIS-1,3-DICHLOROPROPENE	0.4	***0.50U***	***0.50U***	***0.50U***
CYCLOHEXANE	NL	0.5U	0.50U	0.50U
DIBROMOCHLOROMETHANE	5	0.50U	0.50U	0.50U
DICHLORODIFLUOROMETHANE	5	1.0U	**0.75J**	1.0U
ETHYLBENZENE	5	0.50U	0.50U	0.50U
ISOPROPYLBENZENE	5	0.50U	0.50U	0.50U
M- AND P-XYLENE	NL	1.0U	1.0U	1.0U
METHYL ACETATE	NL	0.75U	0.75U	0.75U
METHYL CYCLOHEXANE	NL	0.50U	0.50U	0.50U
METHYL TERT-BUTYL ETHER	10	0.50U	0.50U	0.50U
METHYLENE CHLORIDE	5	2.5U	2.5U	2.5U
O-XYLENE	NL	0.50U	0.50U	0.50U
STYRENE	5	0.50U	0.50U	0.50U
TETRACHLOROETHENE	5	**1.6**	0.50U	**0.79J**
TOLUENE	5	0.50U	0.50U	0.50U
TRANS-1,2-DICHLOROETHENE	5	0.50U	0.50U	0.50U
TRANS-1,3-DICHLOROPROPENE	0.4	***0.50U***	***0.50U***	***0.50U***
TRICHLOROETHENE	5	**3500**	**92**	**1500**
TRICHLOROFLUOROMETHANE	5	1.0U	1.0U	1.0U
VINYL CHLORIDE	2	1.0U	1.0U	1.0U
XYLENES, TOTAL	5	1.5U	1.5U	1.5U

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value

Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.