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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

November 4, 2014

Robert D. DeCandia Jr.
Environmental Engineer II
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway Avenue
Albany, New York 12233-7015

RE: DEC Site No. 152185 - Speonk Solvent Plume, North Phillips Avenue – Project Summary

Dear Mr. DeCandia:

This report summarizes the recent site management activities conducted by Environmental Assessment & Remediations (EAR) at the above referenced site. A summary of actions, findings and supporting figures are provided in this document. Site activities commenced in November 2013 in response to directives from the New York State Department of Environmental Conservation (NYSDEC) to locate and survey existing wells, install multilevel monitoring wells, confirm the presence of clay via hollow stem auger drilling and conduct a round of groundwater sampling. A site location map has been included as **Figure 1**.

The NYSDECs recent directives to EAR included the review of historical data presented by both the Suffolk County Department of Health Services (SCDHS) and Camp Dresser and Mckee (CDM) to develop a groundwater sampling plan to monitor the solvent plume as previously defined during past investigations. Future work includes three additional groundwater sampling events scheduled to be conducted every fifth quarter over the next few years. The next sampling event is scheduled for fall of 2015.

The site activities commenced with the installation of one multi-level well (ML-5) followed by a survey of existing wells, collection of groundwater elevation data and modelling of local groundwater flow direction. Once groundwater flow direction was established the previously proposed well locations were finalized and three additional monitoring wells were installed (ML-1, ML-2 and ML-3).

Site management activities were conducted in addition to the investigation previously conducted by the SCDHS and by CDM on behalf of the NYSDEC. Results of the prior work are summarized in the December 2011 Site Characterization Report for the Speonk Solvent Plume which was prepared by CDM.

Monitoring Well Network Installation

Four additional multi-level monitoring wells were installed during November 2013 (ML-5) and May 2014 (ML-1, ML-2 and ML-3) south of Montauk Highway by hollow stem auger drilling methods. A site map with well locations is included as **Figure 2**.

Multi-level wells provide permanent discrete sampling locations for the continued monitoring of the plume. Each multi-level well contains nine individual sampling points, or small diameter monitoring wells, at varying depths. Each individual well was constructed using a schedule 40 PVC riser and a section of 0.020-inch slotted PVC screen. Well construction details, such as well depths, screen intervals and well diameter varied slightly based on site conditions. Drilling logs of each multi-level well including well construction details are attached in **Appendix A**.

Soil samples were characterized from grade to the bottom of each boring by inspection of auger cuttings and posthole samples during installation. Upon collection, each sample was logged for lithology, stored in labeled sealable plastic bags and screened for volatile organic compounds (VOCs) with a Photovac® Model 2020 Photo-Ionization Detector (PID) by an on-site geologist. Prior to use the PID was calibrated using a 100 parts per million (ppm) isobutylene standard and ambient air, as per manufacturer's specifications. PID readings ranged from 0.0 ppm to 0.1 ppm.

During the installation of ML-1, an increase in drilling resistance was documented by the driller at approximately 90 feet BGS. Drilling refusal occurred at 111 feet below ground surface (BGS). Upon removal of the drilling augers, clay was observed on the flights of multiple augers. Clay was also encountered on the lead auger following the installation of ML-3, which was installed to 120 feet BGS. The depths of clay encountered correspond with the existing conceptual site model, USGS literature¹ and previous data presented in the Site Characterization Report submitted by CDM in December 2011.

Well Survey and Pressure Transducer Study

MJ Engineering and Land Surveying, P.C of Clifton Park, New York was contracted to survey 72 discrete sampling points and 38 Suffolk County Water Authority fire hydrants. Field work was conducted between January and March 2014; however, delays were encountered due to weather conditions and resulting snow banks leaving well locations and hydrants inaccessible. The discrete sampling points were surveyed to establish regional horizontal ground water flow direction. The hydrants were surveyed to assist in the surveying of future monitoring wells. The horizontal datum refers to the New York State Plane Coordinate System Long Island Zone (NAD 83) and was derived from survey grade GPS methods. The vertical datum refers to the North American Vertical Datum of 1988 (NAVD 88) derived from GPS readings. Conventional methods of surveying were also utilized if overhead obstruction prevented the GPS from operating. Measurements were taken from the top of the well casing and a permanent part of the hydrant. A table summarizing the survey data is included in **Table 1**.

Between April 1, 2014 and April 10, 2014, EAR conducted a groundwater flow study to establish horizontal groundwater flow directions. InSitu Level Troll Pressure Sensor 700 (30 psi rated) pressure transducers with vented communication cables were installed in 17 monitoring wells. The wells were selected using a number of factors including screen elevation, well diameter, distance between wells

¹ Smolensky D.A., Buxton H.T., and Shernoff P.K., 1989. *Hydrogeologic Framework of Long Island, New York*, United States Geological Society



and spatial distribution. The depth of each well ranged from approximately 20 feet BGS and 40 feet BGS. The wells utilized during the April 2014 pressure transducer study are indicated on **Figure 2**. Due to the potential variations in groundwater elevations over the three week duration of the groundwater sampling event, water level readings collected during groundwater sampling were omitted from groundwater flow direction calculations.

Prior to installation of the transducers, the wells were gauged for water levels and the transducers were programmed to record temperature and pressure head readings at 10 minute intervals. During data downloads, manual depth-to-water measurements were recorded to verify the data produced by the transducers. The pressure head data was compiled after download and processed to calculate groundwater elevations. Calculated groundwater elevations were then processed using a geostatistical method (Kriging) to estimate groundwater elevation values between locations and to determine groundwater flow direction. No extrapolation of data was conducted outside the domain of the pressure transducer locations. A visualization of the groundwater flow lines is included as **Figure 3**.

Groundwater Sampling Event

Groundwater samples were collected from 123 discrete sampling points during the period of July 8 through 29, 2014 to obtain groundwater quality data. Prior to sampling, all wells were gauged to determine the height of the water column and corresponding volume of standing water in the well. Groundwater field screening was conducted by EAR personnel using a water quality meter (YSI 556 or similar) and flow-through cell. Using low flow techniques, each discrete sampling well was purged through the flow-through cell for at least one well volume and until values for temperature, pH, and oxidation/reduction potential (ORP) stabilized. Dissolved oxygen concentrations, temperature, pH, ORP, and specific conductivity were recorded prior to sample collection. Groundwater samples were collected according to EAR's standard procedures to prevent cross-contamination between the wells and to ensure sample integrity. Blind duplicate samples were collected to confirm analytical reproducibility. Samples were submitted to TestAmerica Laboratories, Inc. of Edison, New Jersey (TestAmerica) for analysis of select volatile organic compounds (VOCs) via EPA Method 8260C. Sample containers and transport coolers were provided by the laboratory. Upon collection, samples were immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius prior to delivery to the lab and/or courier. Chain-of-Custody forms were completed by groundwater sampling personnel and possession was maintained between sampling personnel and the laboratory.

Environmental Data Services, Inc. of Williamsburg, Virginia (EDS) completed a Data Usability Summary Review (DUSR) on all analytical data received from TestAmerica. The groundwater sample analytical results were analyzed under the United States Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of the Solid Waste, USEPA SW-846, Third Edition, September 1986, with Revisions" and the Standard Methods for the Examination of Water and Wastewater. EDS did not reject any data; however, qualifiers were added to select analytes. The qualifiers were incorporated in the summary of the groundwater analytical data included as **Table 2**. The completed DUSRs will be provided under a separate cover.

Groundwater Analytical Results

Analysis of the groundwater samples collected, indicate the presence of 16 VOCs. Eight of the VOCs detected were reported in concentrations exceeding the respective TOGS 1.1.1 Class GA water quality standards and guidance value limits. Maximum reported concentrations for the eight VOC contaminants that were detected above standard and guidance values are summarized below:

Parameter	Maximum Observed Concentration (ug/L)	NYSDEC TOGS111 Class GA Standard/Guidance	Sampling Location
Carbon Tetrachloride	9.9	5	SP-35P (80')
Tetrachloroethene	200	5	SP-35P (80')
Trichloroethylene	280	5	SP-35P (80')
Chloroform	150	7	SP-48P (123')
1,1 Dichloroethene	5.3	5	SP-48P (123')
1,1,1 Trichloroethane	11	5	SP-35P (80')
1,1,2 Trichloroethane	6.6	1	SP-35P (80')
1,2 Dichloroethane	1.3	0.6	SP-35P (80')

Summaries of the groundwater analytical, field screening, relative percent difference data and historical concentrations are attached as **Tables 2 through 5**. A table comparing SCDHS well identifications with EAR well identifications is included as **Table 6**. Post maps and cross-sections illustrating an approximate spatial distribution of tetrachloroethene, chloroform, trichloroethylene and carbon tetrachloride are attached as **Figures 4 through Figure 24**. Historical data tables and a figure with well locations provided by Suffolk County Health Department and the NYSDEC are included as **Appendix B**.

Should you have any questions, please do not hesitate to contact me at (631) 447-6400 ext. 158 or via email at quell@enviro-asmnt.com.

Sincerely,



Erin Quell
Project Manager/Geologist

Attachments

Table 1.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Monitoring Well and Hydrant Survey Data - Locations and Elevations
 Conducted by MJ Engineering January through March 2014

MONITORING WELLS/HYDRANTS	NORTHING	EASTING	ELEVATION	POINT #
HYD 0	237889.1312	1341099.9480	24.40	6002
HYD 1	234008.2658	1340896.3792	6.49	2001
HYD 2	233596.3119	1341064.9796	7.87	2002
HYD 3	234786.1372	1342792.4731	13.84	3003
HYD 4	234858.7251	1345335.4676	10.58	3004
HYD 5	235348.7268	1343245.5557	14.33	2005
HYD 6	234314.1022	1343125.3609	11.02	2006
HYD 7	233331.9048	1343126.0929	6.87	2007
HYD 8	235442.3499	1344877.9106	14.71	2008
HYD 12	236182.5936	1342271.6565	17.95	2012
HYD 13	235243.6882	1341526.5868	13.96	2013
HYD 18	236253.5281	1341645.2903	11.40	2018
HYD 20	235363.0327	1340500.2486	14.70	2020
HYD 21	234388.2724	1340407.7016	7.90	2021
HYD 24	236525.9681	1345504.7973	17.87	2024
HYD 26	235838.8730	1345822.7114	10.59	2026
HYD 27	235309.2741	1345777.5193	11.94	2027
HYD 29	233316.0271	1344860.9910	5.96	2029
HYD 32	235233.9419	1339391.6505	10.17	1001
HYD 33	235048.6576	1339896.4503	10.02	2033
HYD 34	235442.6125	1339766.9460	11.84	2034
HYD 35	235935.1225	1340050.8139	15.35	1000
HYD 36	236539.6773	1340375.9231	19.03	2036
HYD 37	237298.6590	1340802.1404	21.35	2037
HYD 38	238775.1563	1340855.6749	10.44	2038
HYD 43	238630.1251	1339747.9285	24.00	2043
HYD 46	236703.4270	1338463.0649	14.39	2046
HYD 47	237384.2512	1337809.0583	11.72	2047
HYD 51	238093.4147	1338691.8081	18.86	2004
HYD 54	239027.1396	1339359.5735	24.76	2003
HYD 56	234732.1642	1344513.7617	9.39	2056
HYD 71	233519.9325	1342242.4050	7.60	71
HYD 300	236435.2688	1347220.2327	12.64	2300
HYD 509	235223.5023	1342237.4134	12.62	2509
HYD 615	236506.1091	1344897.8286	17.21	2615
HYD 633	234563.2844	1344875.5808	11.40	2633
HYD 812	235671.8097	1344522.9570	12.17	2812
HYD 8003	235498.9099	1347355.2766	10.36	8003
SP-16	240381.1848	1343289.0045	28.68	8016
SP-16P	240380.4913	1343287.7390	28.73	116
SP-18	240393.8674	1343481.0760	30.00	182
SP-18D	240394.2963	1343480.3701	30.08	118
SP-19	240385.9706	1343579.5124	30.57	8019
SP-20	240380.1264	1343695.4080	30.55	8020

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MONITORING WELLS/HYDRANTS	NORTHING	EASTING	ELEVATION	POINT #
SP-21	240360.3423	1343991.7353	28.05	8021
SP-22	240337.0272	1344191.9011	28.35	8022
SP-22A	240336.9516	1344192.8610	28.58	122
SP-23	239910.9574	1343216.4957	25.56	8023
SP-24	239449.8626	1343253.8934	24.73	9024
SP-25	239553.3343	1343840.1906	25.67	6025
SP-26	238592.5671	1343934.3589	25.48	4026
SP-27	240411.1034	1343184.5436	28.49	8027
SP-28	240417.8191	1343082.5895	27.98	8028
SP-29	240323.0942	1344366.2495	29.28	8029
SP-30	240299.7907	1344521.3147	30.60	4030
SP-31	240242.0764	1344272.2587	28.60	3031
SP-32	240424.3368	1342980.4655	28.11	8032
SP-35	239906.3992	1344136.3893	27.72	6035
SP-35p	239907.7906	1344136.5162	27.53	6050
SP-36	240082.0844	1344210.1173	27.50	6036
SP-40	237516.4122	1344496.5387	10.16	3040
SP-41	237972.6085	1343670.8189	23.07	4041
SP-42	239237.3317	1344142.5205	26.17	8042
SP-43	239326.2082	1343744.0483	26.07	6043
SP-44	238203.1897	1343240.4009	22.14	6044
SP-45	238624.1443	1342721.9002	21.54	8045
SP-48	239098.7583	1344633.9922	23.05	4049
SP-48D	239100.7414	1344636.1003	22.93	4048
SP-48P	239100.5554	1344634.6636	22.80	4050
SP-49	239235.8599	1344142.0908	26.68	8049
SP-50	242782.8724	1343887.6859	37.77	5050
SP-50A	242783.9333	1343888.0903	37.80	5051
SP-52	241846.0692	1343370.8108	35.71	4052
SP-52A	241841.1123	1343370.3435	35.71	4053
SP-62	244236.7453	1343052.0292	40.98	9062
SP-63A	243580.9741	1342704.8666	37.97	4063
SP-66	242790.8291	1342036.1633	39.24	9066
SP-66D	242791.5398	1342035.3494	39.14	5066
SP-68A	241919.4567	1340596.4161	38.31	6010
SP-69	241768.4024	1340785.2607	31.66	69
SP-70	241569.3618	1341275.1004	33.78	70
SP-71	241342.7289	1339957.5145	31.92	8071
SP-72	241265.5453	1340024.7460	30.44	8072
SP-72D	241264.9034	1340023.9206	30.21	172
SP-73	241174.1643	1340110.9513	27.29	6073
SP-74	241009.0467	1340250.1450	26.39	8074
SP-74D	240992.7275	1340262.4004	26.66	174
SP-75	240888.8218	1340349.8836	29.67	8075

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Monitoring Well and Hydrant Survey Data - Locations and Elevations
 Conducted by MJ Engineering January through March 2014

MONITORING WELLS/HYDRANTS	NORTHING	EASTING	ELEVATION	POINT #
SP-76	240749.0558	1340474.7942	31.22	4076
SP-77	242502.8935	1342287.8134	37.38	6007
SP-77D	242509.2800	1342296.9360	37.32	6008
SP-79	241965.6786	1342252.4048	34.77	9079
SP-81	240605.4788	1339951.0203	24.62	8081
SP-82M	240226.4008	1339709.8345	26.46	8082M
SP-83	239769.7592	1339794.8716	25.15	8083
SP-84	239653.8083	1339422.7717	21.88	6000
SP-85	239648.4557	1338908.1563	25.85	8085
SP-86	239615.3829	1338470.9714	18.91	6001
SP-87	239527.2955	1338126.1249	7.37	8087
SP-88	240662.2859	1340605.7371	31.94	8088
SP-89	241333.8933	1342269.8589	22.12	9089
SP-90	240248.1915	1339491.5055	24.56	8090
SP-91	240132.7703	1338762.0284	18.17	8091
ML-5-30	237822.5570	1343908.7600	22.30	5
ML-5-60	237822.5570	1343908.7600	22.28	
ML-5-120	237822.5570	1343908.7600	22.34	
ML-5-70	237822.5570	1343908.7600	22.26	
MW23S-39	243201.0950	1345515.4885	41.48	6003
MW23S-79	243201.0994	1345515.6772	41.49	6004
MW23S-118	243200.8160	1345515.5608	41.20	6005

The horizontal datum refers to the New York State Plane Coordinate System Long Island Zone (NAD 83)
 The vertical datum refers to the North American Vertical Datum of 1988 (NAVD 88)

Table 2.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Groundwater Sampling Laboratory Analytical Results -July 2014
 TestAmerica Laboratories, Inc., EPA Method 8260C
 VOCs (ug/L)

Location	Depth	Date Collected	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichloroethane	1,3 Dichlorobenzene	Diethyl ether	Freon 113	Methylene Chloride
ML-1 (30)	15-30	7/8/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (40)	39-40	7/8/2014	<1	<1	<1	0.14 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (50)	49-50	7/8/2014	<1	<1	<1	0.24 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (60)	59-60	7/8/2014	<1	<1	<1	0.56 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (65)	64-65	7/8/2014	<1	<1	<1	0.66 J	0.27 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (70)	69-70	7/8/2014	<1	<1	<1	0.38 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (80)	79-80	7/8/2014	0.28 J	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-1 (90)	89-90	7/8/2014	<1	<1	<1	0.37 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (120)	121-122	7/9/2014	<1	<1	<1	0.21 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (30)	15-30	7/8/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (40)	39-40	7/8/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (50)	49-50	7/8/2014	<1	<1	<1	<1	0.27 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (60)	59-60	7/9/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (65)	64-65	7/9/2014	<1	<1	<1	0.11 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (70)	69-70	7/9/2014	<1	<1	<1	0.21 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (80)	79-80	7/9/2014	<1	<1	<1	0.59 J	1.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-2 (90)	89-90	7/9/2014	<1	<1	<1	0.68 J	0.63 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (120)	119-120	7/9/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (30)	15-30	7/9/2014	<1	<1	<1	0.51 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (40)	39-40	7/9/2014	<1	<1	<1	0.84 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (50)	49-50	7/9/2014	<1	<1	<1	0.69 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (60)	59-60	7/9/2014	<1	<1	<1	0.83 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (65)	64-65	7/9/2014	<1	<1	<1	0.43 J	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (70)	69-70	7/9/2014	<1	<1	<1	0.5 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (80)	79-80	7/9/2014	<1	<1	0.7 J	0.55 J	<1	<1	<1	0.2 J	<1	<1	<1	<1	<1	<1	<1	<1
ML-3 (90)	89-90	7/9/2014	<1	<1	<1	0.61 J	<1	0.33 J	<1	0.29 J	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (30)	15-30	7/9/2014	<1	<1	<1	0.42 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (40)	39-40	7/9/2014	<1	<1	<1	0.48 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 2.

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Site # 152185



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VOCs (ug/L)

Location	Depth	Date Collected	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichloroethane	1,3 Dichlorobenzene	Diethyl ether	Freon 113	Methylene Chloride
ML-5 (50)	49-50	7/9/2014	<1	<1	<1	0.12 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (60)	59-60	7/9/2014	<1	<1	<1	1.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (65)	64-65	7/9/2014	<1	0.19 J	<1	1.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (70)	69-70	7/9/2014	0.15 J	0.49 J	0.45 J	1.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (80)	79-80	7/9/2014	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (90)	89-90	7/9/2014	<1	<1	<1	1.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
ML-5 (120)	119-120	7/9/2014	<1	<1	<1	0.92 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-1	80	7/23/2014	<1	28	2.3	0.94 J	<1	<1	<1	0.23 J	<1	<1	<1	<1	0.18 J	<1	<1	<1
SP-1M	37	7/23/2014	<1	<1	<1	0.11 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-5A	27	7/23/2014	<1	<1	<1	0.31 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 UJ	<1	<1
SP-5B	152	7/23/2014	<1	17	0.5 J	0.48 J	<1	<1	<1	<1	<1	0.3 J	<1	<1	<1	<1	<1	<1
SP-5M	122	7/23/2014	0.07 J	62	2.2	0.7 J	<1	<1	<1	<1	<1	<1	<1	<1	0.22 J	<1 UJ	<1	<1
SP-16	30	7/17/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-16P	77	7/17/2014	<1	2.9	0.82 J	0.61 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-18	30	7/17/2014	<1	<1	<1	0.11 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-18D	78	7/17/2014	0.09 J	7.1	1.1	0.89 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-19	30	7/17/2014	<1	<1	<1	0.12 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-20	30	7/17/2014	<1	<1	<1	0.75 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-21	30	7/17/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-22	80	7/17/2014	0.43 J	14	9.7	2.3	<1	<1	0.17 J	0.22 J	<1	<1	<1	<1	<1	<1	<1	<1
SP-22A	30	7/17/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-23	30	7/11/2014	<1	<1	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	0.14 J	<1	<1	<1
SP-24	80	7/15/2014	0.57 J	2.7	0.62 J	8.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-25	25	7/11/2014	<1	<1	<1	0.23 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-26	80	7/15/2014	2.2	3.5	4.1	17	0.3 J	<1	0.47 J	0.67 J	<1	<1	<1	<1	<1	<1	0.26 J	<1
SP-27	70	7/17/2014	<1	1.7	0.31 J	0.44 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-28	30	7/17/2014	<1	0.1 J	<1	0.2 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-29	25	7/17/2014	<1	<1	<1	0.43 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 2.

Speonk Solvent Plume
North Phillips Ave.
Speonk, NY
Site # 152185



Groundwater Sampling Laboratory Analytical Results -July 2014
TestAmerica Laboratories, Inc., EPA Method 8260C
VOCs (ug/L)

Location	Depth	Date Collected	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichloroethane	1,3 Dichlorobenzene	Diethyl ether	Freon 113	Methylene Chloride
SP-30	30	7/17/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-31	30	7/14/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-32	30	7/17/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-34D	120	7/16/2014	9.7	9.5	16	79	<1	<1	1.7	2.4	<1	<1	<1	0.34 J	<1	<1	1.6	<1
SP-34P	75	7/16/2014	<1	0.78 J	<1	0.71 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-35	30	7/11/2014	<1	<1	<1	0.18 J	<1	<1	<1	<1	0.47 J	<1	<1	<1	<1	<1	<1	<1
SP-35P	80	7/11/2014	9.9	200	280	91	<1	0.16 J	4.4	11	0.25 J	6.6	0.38 J	1.3	<1	1.6	<1	<1
SP-36	30	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-37	30	7/14/2014	<1	<1	<1	0.64 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-39	30	7/16/2014	<1	<1	<1	0.25 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-40	20	7/16/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-41	30	7/14/2014	<1	<1	<1	0.49 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-42	30	7/14/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-43	30	7/14/2014	<1	<1	<1	0.12 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-44	70	7/14/2014	1.4	0.49 J	1.9	12	<1	<1	0.17 J	0.32 J	<1	<1	<1	<1	<1	<1	0.34 J	<1
SP-45	30	7/11/2014	<1	<1	<1	0.47 J	<1	<1	<1	<1	<1	<1	<1	<1	0.18 J	<1	<1	<1
SP-46	30	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.15 J	<1	<1	<1
SP-47	30	7/16/2014	<1	<1	<1	0.15 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-48	75	7/16/2014	<1	<1	<1	0.43 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-48P	123	7/16/2014	3.4	<1	0.38 J	150	<1	<1	5.3	7.2	<1	<1	<1	1	<1	1.2	2.8	0.28 J
SP-49	90	7/14/2014	<1	0.24 J	0.13 J	0.76 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-50	87	7/22/2014	0.49 J	61	12	19	<1	<1	0.46 J	1.1	<1	<1	<1	0.26 J	<1	<1	<1	<1
SP-50A	37	7/22/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-52	75	7/22/2014	<1	0.22 J	<1	0.54 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-52A	36	7/22/2014	<1	<1	<1	0.24 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-53	40	7/23/2014	<1	<1	<1	0.3 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-54 (.75in)	70	7/23/2014	<1	<1	<1	0.57 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 UJ	<1	<1
SP-54 (2in)	40	7/23/2014	<1	<1	<1	0.71 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 UJ	<1	<1

Table 2.

Speonk Solvent Plume
North Phillips Ave.
Speonk, NY
Site # 152185



Groundwater Sampling Laboratory Analytical Results -July 2014
TestAmerica Laboratories, Inc., EPA Method 8260C
VOCs (ug/L)

Location	Depth	Date Collected	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichloroethane	1,3 Dichlorobenzene	Diethyl ether	Freon 113	Methylene Chloride
SP-55	40	7/23/2014	<1	<1	<1	0.5 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-56	75	7/22/2014	<1	4.3	0.67 J	0.36 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-57	40	7/22/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-61	40	7/23/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-62	30	7/29/2014	<1 UJ	<1	<1	0.23 J	<1	<1	<1	<1	<1	<1	<1	<1	0.23 J	<1	<1	<1
SP-63	40	7/29/2014	<1 UJ	<1	<1	0.49 J	<1	<1	<1	<1	<1	<1	<1	<1	0.33 J	<1	<1	<1
SP-63A	40	7/21/2014	<1	<1	<1	0.15 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-63B	40	7/21/2014	<1	<1	<1	0.13 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-63C	40	7/22/2014	<1	<1	<1	0.46 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-64	40	7/21/2014	<1	<1	<1	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-66D	100	7/21/2014	0.22 J	12	1.1	2.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-68	30	7/18/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-69	30	7/18/2014	<1	<1	<1	1.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-69D	90	7/18/2014	2.9	130	1.9	6.4	<1	<1	2.8	3.8	<1	<1	<1	<1	<1	<1	<1	<1
SP-70	30	7/18/2014	<1	<1	<1	0.33 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-71	30	7/11/2014	<1	<1	<1	0.58 J	<1	<1	<1	<1	<1	<1	<1	<1	0.26 J	<1	<1	<1
SP-72D	100	7/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-73	30	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.22 J	<1	<1	<1
SP-74	30	7/11/2014	<1	<1	<1	0.85 J	<1	<1	<1	<1	<1	<1	<1	<1	0.16 J	<1	<1	<1
SP-74D	100	7/15/2014	2	0.25 J	<1	27	<1	0.18 J	1.4	2.6	<1	<1	<1	<1	<1	0.33 J	<1	<1
SP-75	30	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1 UJ	<1	<1	<1	0.18 J	<1	<1	<1
SP-76	30	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.17 J	<1	<1	<1
SP-77	30	7/21/2014	<1	<1	<1	0.1 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-77D	100	7/21/2014	0.37 J	5.2	6.6	4.3	<1	<1	<1	0.32 J	<1	<1	<1	0.65 J	<1	<1	<1	<1
SP-78	30	7/18/2014	<1	<1	<1	0.34 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-79	30	7/18/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-80	30	7/18/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-81	70	7/11/2014	4.7	18	1.2	36	<1	<1	1.3	1.6	<1	<1	<1	<1	<1	<1	<1	<1

Table 2.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Groundwater Sampling Laboratory Analytical Results -July 2014
 TestAmerica Laboratories, Inc., EPA Method 8260C
 VOCs (ug/L)

Location	Depth	Date Collected	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichloroethane	1,3 Dichlorobenzene	Diethyl ether	Freon 113	Methylene Chloride
SP-82	30	7/10/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-82M	85	7/10/2014	3.3 J	23 J	0.91 J	31	<1	<1	1.2	1.5	<1	0.48 J	<1	<1	<1	<1	<1	<1
SP-83	30	7/10/2014	<1	<1	<1	0.42 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-84	30	7/10/2014	<1	<1	<1	0.3 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-85	30	7/10/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-86	20	7/10/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-87	10	7/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-88	60	7/15/2014	<1	<1	<1	0.24 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-89	30	7/18/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-90	40	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SP-91	30	7/11/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
NYSDEC TOGS111 Class GA Standard/Guidance			5	0.7	5	7	10	5	5	5	5	1	5	0.6	3	n/a	5	5

"J" value indicates estimated values

"UJ" value indicates that the analyte was not detected above the reporting limit; and the reporting limit is approximate

indicates values above NYSDEC TOGS111 Glass GA Standard/Guidance

The chemicals listed below were reported below the LRL:

1,2 Dichlorobenzene	Chlorobenzene	Xylenes Total
1,4 Dichlorobenzene	Tert-Amyl-Methyl-Ether	
Benzene	Total BTEX	

Table 3.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Groundwater Analytical Results - July 2014
 EAR Field Screening

Location	Depth	Date Collected	Conductivity (uS)	Dissolved Oxygen (mg/L)	ORP (Oxidation Reduction Potential) (mV)	pH	Temperature °C
ML-1 (30)	15-30	7/8/2014	493	4.09	139.1	5.34	14.05
ML-1 (40)	39-40	7/8/2014	251	5.4	129	5.37	13.29
ML-1 (50)	49-50	7/8/2014	234	9.99	133.3	5.74	13.08
ML-1 (60)	59-60	7/8/2014	173	6.97	130.4	5.82	13.58
ML-1 (65)	64-65	7/8/2014	186	5.85	129	5.7	13.17
ML-1 (70)	69-70	7/8/2014	178	3.6	96.7	6.03	13.58
ML-1 (80)	79-80	7/8/2014	127	3.51	88.7	6.77	13.14
ML-1 (90)	89-90	7/8/2014	145	1.07	16	6.75	12.96
ML-2 (120)	121-122	7/9/2014	628	2.61	240.3	5.72	1.52
ML-2 (60)	59-60	7/9/2014	505	5.11	274.8	5.06	12.33
ML-2 (65)	64-65	7/9/2014	495	5.26	168.2	5.77	12.25
ML-2 (70)	69-70	7/9/2014	324	1.75	172.3	6.39	12.01
ML-2 (80)	79-80	7/9/2014	391	2.45	133.3	6.5	11.94
ML-2 (90)	89-90	7/9/2014	137	1.75	-10.1	6.8	12.12
ML-3 (120)	119-120	7/9/2014	130	7.06	137.2	5.97	12.4
ML-3 (30)	15-30	7/9/2014	134	2.76	162.1	5.64	11.85
ML-3 (40)	39-40	7/9/2014	179	5.83	226.6	5.24	12.97
ML-3 (50)	49-50	7/9/2014	189	3.41	242.6	5.06	12.73
ML-3 (60)	59-60	7/9/2014	183	5.29	223.6	5.37	12.77
ML-3 (65)	64-65	7/9/2014	152	6.53	210.9	5.59	12.62
ML-3 (70)	69-70	7/9/2014	139	7.04	178.5	5.97	12.66
ML-3 (80)	79-80	7/9/2014	127	7.89	178.2	6.07	12.51
ML-3 (90)	89-90	7/9/2014	81	8.33	167.4	6.36	12.39
ML-5 (30)	15-30	7/8/2014	888	1.51	2.5	6.9	12.2
ML-5 (30)	15-30	7/9/2014	133	14.39	267.6	5.46	13.72
ML-5 (40)	39-40	7/8/2014	616	93	114.3	6.04	12.31
ML-5 (40)	39-40	7/9/2014	136	6.31	363.7	5.21	13.11
ML-5 (50)	49-50	7/8/2014	457	1.8	127.3	5.9	12.67
ML-5 (50)	49-50	7/9/2014	149	3.12	192.2	5.55	13.11
ML-5 (60)	59-60	7/9/2014	241	1.06	231.6	5.65	12.95
ML-5 (65)	64-65	7/9/2014	282	3.1	161.5	5.12	13.13
SP-5A		7/23/2014	126	9.49	236.3	5.46	11.16
SP-5B (140-145)		7/23/2014	42	10.28	275.4	5.19	12.3
SP-5M (25-35)		7/23/2014	55	10.06	530.4	3.34	10.56
SP-1		7/23/2014	70	8.6	369.6	4.25	11.88
SP-16		7/17/2014	647	6.46	274.4	5.75	13.15
SP-16P		7/17/2014	206	3.04	337.7	5.43	13.1
SP-18		7/17/2014	186	7.73	166.9	5.5	14.67
SP-18D		7/17/2014	84	8.71	170.3	5.4	13.47
SP-19		7/17/2014	178	6.07	184.3	5.5	14.43
SP-1M		7/23/2014	271	5.52	326.4	5.15	15.15
SP-20		7/17/2014	158	9.28	311.3	5.31	12.8
SP-21		7/17/2014	295	6.49	313	15.04	12.99
SP-22		7/17/2014	99	8.2	182.7	5.35	12.54

Table 3.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Groundwater Analytical Results - July 2014
 EAR Field Screening

Location	Depth	Date Collected	Conductivity (uS)	Dissolved Oxygen (mg/L)	ORP (Oxidation Reduction Potential) (mV)	pH	Temperature °C
SP-22A		7/17/2014	524	8.16	160.4	6.07	14.48
SP-23		7/11/2014	556	6.3	236.9	6.02	15.11
SP-24		7/15/2014	274	7.16	126.9	6.16	13.56
SP-25		7/11/2014	121	9.53	243.4	5.46	12.29
SP-26		7/15/2014	179	5.8	192.7	5.11	12.85
SP-27		7/17/2014	106	5.18	131	5.15	12.79
SP-28		7/17/2014	634	2.3	283.6	5.37	13.97
SP-29		7/17/2014	699	9.59	278.3	6.07	13.57
SP-30		7/17/2014	131	8.17	147.2	5.56	11.82
SP-31		7/14/2014	908	0.25	328.3	5.02	12.26
SP-32		7/17/2014	348	9.18	64.5	6.36	15.35
SP-34D		7/16/2014	129	5.33	152.9	5.74	12.14
SP-34P		7/16/2014	224	8.29	199.9	5.12	12.68
SP-35		7/11/2014	161	5.1	222.9	5.64	13.23
SP-35P		7/11/2014	108	7.85	226.2	5.55	12.87
SP-36		7/11/2014	248	5.55	114.4	5.93	11.93
SP-37		7/14/2014	198	8.4	347.7	5.07	12.57
SP-40		7/16/2014	603	5.6	115.3	6.1	15.56
SP-41		7/14/2014	169	10.08	373.6	4.54	12.46
SP-42		7/14/2014	83	10.46	357.8	4.94	12.17
SP-43		7/14/2014	142	5.46	445	2.86	12
SP-44		7/14/2014	172	7.16	341.1	4.58	12.53
SP-45		7/11/2014	177	7.55	272.1	5.63	15.13
SP-46		7/11/2014	326	0.41	308.1	4.51	16
SP-47		7/16/2014	179	6.68	133.7	5.55	12.39
SP-48		7/16/2014	189	8.24	160	5.15	12.32
SP-48P		7/16/2014	58	8.13	107.3	6.41	12.05
SP-49		7/14/2014	177	9.57	327	5.3	12.6
SP-50M		7/22/2014	201	10.25	655	5.21	11.81
SP-50MA		7/22/2014	205	12.04	179	5.21	12.16
SP-52M		7/22/2014	161	8.35	262.2	4.74	11.75
SP-52MA		7/22/2014	501	11.12	262	5.02	10.73
SP-53		7/23/2014	134	8.8	362.1	4.37	13.16
SP-54 (40-45)		7/23/2014	158	11.84	238.9	4.45	11.68
SP-54 (75-80)		7/23/2014	51	11.86	292.5	4.3	11.81
SP-55		7/23/2014	145	9.22	376.9	4.61	12.72
SP-56		7/22/2014	168	8.95	158.4	6.55	14.79
SP-57		7/22/2014	170	989	167.7	5.69	15.52
SP-61		7/23/2014	62	9.21	280.6	4.92	14.13
SP-62		7/29/2014	274	11.45	184.3	5.74	12.22
SP-63		7/29/2014	196	8.8	315	4.06	13.27
SP-63A		7/21/2014	309.3	7.56	379	5.41	12.13
SP-63C		7/22/2014	126	10.91	312.1	3.53	11.71
SP-64		7/21/2014	173	8.99	351.7	4.26	13.72

Table 3.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Groundwater Analytical Results - July 2014
 EAR Field Screening

Location	Depth	Date Collected	Conductivity (uS)	Dissolved Oxygen (mg/L)	ORP (Oxidation Reduction Potential) (mV)	pH	Temperature °C
SP-66D		7/21/2014	57	10.21	362.2	4.63	12.02
SP-68		7/18/2014	514	8.34	321.7	5.3	12.48
SP-69		7/18/2014	195	4.59	237.7	5.58	11.95
SP-69D		7/18/2014	153	7.49	279.1	5.26	11.98
SP-70		7/18/2014	138	13.26	259.6	5.25	12
SP-71		7/11/2014	281	7.93	395.4	4.38	15.53
SP-72D		7/15/2014	48	1.28	105	6.27	11.96
SP-73		7/11/2014	90	14.12	156.8	5.42	13.68
SP-74		7/11/2014	86	7.83	314.2	4.45	13.16
SP-74D		7/15/2014	44	4.31	155.2	6.23	12.04
SP-75		7/11/2014	94	5.05	348.8	4.59	12.56
SP-76		7/11/2014	95	10.16	358.2	4.73	13.6
SP-77		7/21/2014	122	10.48	373.3	4.3	11.77
SP-77D		7/21/2014	67	10.22	428.8	3.56	11.71
SP-78		7/18/2014	330	9.66	336.9	5.8	11.62
SP-79		7/18/2014	292	11.43	326.7	5.78	11.84
SP-80		7/18/2014	475	10.92	278.3	5.51	12.13
SP-81		7/11/2014	47	3.51	127.7	6.4	11.99
SP-82		7/10/2014	130	19.65	213.1	5.23	12.42
SP-82M		7/10/2014	57	6.16	243.3	5.79	12.05
SP-83		7/10/2014	311	11.39	267.2	5.59	12.71
SP-84		7/10/2014	215	12.74	284.9	5.52	11.99
SP-85		7/10/2014	114	11.36	289.6	5.2	12.04
SP-86		7/10/2014	494	6.22	226.5	5.74	13.32
SP-87		7/15/2014	368	7.29	184.8	5.92	17.28
SP-88		7/15/2014	127	7.49	254.1	5.02	11.9
SP-89		7/18/2014	128	4.21	260.7	5.4	13.34
SP-90		7/11/2014	143	8.92	217.8	5.32	12.11
SP-91		7/11/2014	83	7.19	242.9	5.34	12.22

Table 4.

Speonk Solvent Plume
North Phillips Ave.
Speonk, NY
Site # 152185



Blind Duplicate Results
TestAmerica Laboratories, Inc., EPA Method 8260C
VOCs (ug/L)

	Well	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	Benzene	Xylenes Total	Total BTEX	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichlorobenzene	1,2 Dichloroethane	1,3 Dichlorobenzene	1,4 Dichlorobenzene	4-Bromofluorobenzene	Chlorobenzene	Dibromofluoromethane	Diethyl ether	Freon 113	Methylene Chloride	Tert-Amyl-Methyl-Ether
Original Sample	ML-1 (70)	<1	<1	<1	0.38	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	49	<1	50	<1	<1	<1	<1
Blind Duplicate	ML-1X	<1	<1	<1	0.37	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	49	<1	48	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	2.67 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	4.08 %	0 %	0 %	0 %	0 %
Original Sample	ML-2 (90)	<1	<1	<1	0.68	0.63	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	54	<1	<1	<1	<1
Blind Duplicate	ML-2X	<1	<1	<1	0.66	0.66	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	55	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	2.99 %	4.65 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	1.83 %	0 %	0 %	0 %	0 %
Original Sample	ML-3 (65)	<1	<1	<1	0.43	1.3	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	55	<1	<1	<1	<1
Blind Duplicate	ML-3X	<1	<1	<1	0.41	1.3	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	54	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	4.76 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	1.83 %	0 %	0 %	0 %	0 %
Original Sample	ML-5 (70)	0.15	0.49	0.45	1.6	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	44	<1	55	<1	<1	<1	<1
Blind Duplicate	ML-5X	0.16	0.54	0.37	1.5	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	55	<1	<1	<1	<1
Relative Percent Difference		6.45 %	9.71 %	19.51 %	6.45 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	2.3 %	0 %	0 %	0 %	0 %	0 %	0 %
Original Sample	SP-22A	<1	<1	<1	<1	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	51	<1	48	<1	<1	<1	<1
Blind Duplicate	SP-Y	<1	<1	<1	<1	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	50	<1	49	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	1.98 %	0 %	2.06 %	0 %	0 %	0 %	0 %
Original Sample	SP-28	<1	0.1	<1	0.2	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	50	<1	48	<1	<1	<1	<1
Blind Duplicate	SP-E	<1	<1	<1	0.18	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	50	<1	49	<1	<1	<1	<1
Relative Percent Difference		0 %	200 %	0 %	10.53 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	2.06 %	0 %	0 %	0 %	0 %
Original Sample	SP-36	<1	<1	<1	<1	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	54	<1	<1	<1	<1
Blind Duplicate	SP-C	<1	<1	<1	<1	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	43	<1	55	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	1.83 %	0 %	0 %	0 %	0 %
Original Sample	SP-48	<1	<1	<1	0.43	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	47	<1	51	<1	<1	<1	<1
Blind Duplicate	SP-D	<1	<1	<1	0.48	0.15	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	48	<1	51	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	10.99 %	200 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	2.11 %	0 %	0 %	0 %	0 %	0 %	0 %
Original Sample	SP-54 (2in)	<1	<1	<1	0.71	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	49	<1	54	<1	<1	<1	<1
Blind Duplicate	SP-B	<1	<1	<1	0.73	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	49	<1	53	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	2.78 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	1.87 %	0 %	0 %	0 %	0 %
Original Sample	SP-5B	<1	17	0.5	0.48	<1	<1	<2	<3	<1	<1	<1	<1	0.3	<1	<1	<1	<1	<1	55	<1	59	<1	<1	<1	<1
Blind Duplicate	SP-A	<1	14	0.46	0.43	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	48	<1	52	<1	<1	<1	<1
Relative Percent Difference		0 %	19.35 %	8.33 %	10.99 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	200 %	0 %	0 %	0 %	0 %	0 %	13.59 %	0 %	12.61 %	0 %	0 %	0 %	0 %
Original Sample	SP-63A	<1	<1	<1	0.15	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	46	<1	51	<1	<1	<1	<1
Blind Duplicate	SP-G	<1	<1	<1	0.14	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	47	<1	51	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	6.9 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	2.15 %	0 %	0 %	0 %	0 %	0 %	0 %
Original Sample	SP-78	<1	<1	<1	0.34	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	48	<1	53	<1	<1	<1	<1
Blind Duplicate	SP-F	<1	<1	<1	0.26	<1	<1	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	48	<1	53	<1	<1	<1	<1
Relative Percent Difference		0 %	0 %	0 %	26.67 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Original Sample	SP-82M	3.3 J	23 J	0.91	31	<1	<1	<2	<3	<1	1.2	1.5	<1	0.48	<1	<1	<1	<1	<1	43	<1	57	<1	<1	<1	<1
Blind Duplicate	SP-X	1.9 J	12 J	0.59	27	<1	<1	<2	<3	<1	1.2	0.91	<1	<1	<1	<1	<1	<1	<1	41	<1	55	<1	<1	<1	<1
Relative Percent Difference		53.85 %	62.86 %	42.67 %	13.79 %	0 %	0 %	0 %	0 %	0 %	0 %	48.96 %	0 %	200 %	0 %	0 %	0 %	0 %	0 %	4.76 %	0 %	3.57 %	0 %	0 %	0 %	0 %

Table 5.

Speonk Solvent Plume
North Phillips Ave.
Speonk, NY
Site # 152185



Groundwater Sampling Laboratory Analytical Results - Historical Data
Suffolk County Department of Health, Unkown
TestAmerica Laboratories, Inc., EPA Method 8260C
VOCs (ug/L)

Location	Depth	Date Collected	Lab	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	Benzene	Toluene	o-Xylene	Xylenes Total	Total BTEX	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3-Dichlorobenzene	Chlorobenzene	Dichlorobenzenes	Diethyl ether	Freon 113	Methylene Chloride	Tert-Amyl-Methyl-Ether	
SP-22S (25-30)	25-30	3/24/2010	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-22A	30	7/17/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	<1
SP-22 (75-80)	75-80	9/5/2007	SCDOH	56	98	167	497	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	15	37	<0.5	1.2	<0.5	<0.5	3.8	n/a	<0.5	<0.5	2.4	5.5	1.1	<0.5	
SP-22 (75-80)	75-80	1/17/2008	SCDOH	31	89	127	173	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	11	23	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-22P (75-80)	75-80	3/18/2009	SCDOH	38	120	148	191	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	16	<0.5	27	<0.5	<0.5	n/a	<0.5	1.3	<0.5	n/a	<0.5	0.7	2.2	<0.5	<0.5	
SP-22P (75-80)	75-80	3/4/2010	SCDOH	34	74	78	148	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	6.6	24	<0.5	<0.5	n/a	<0.5	1	<0.5	n/a	<0.5	0.6	1.8	<0.5	<0.5	
SP-22P (75-80)	75-80	11/22/2010	SCDOH	61	194	322	209	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	39	<0.5	<0.5	n/a	<0.5	1.7	<0.5	n/a	<0.5	1	<0.5	<0.5	<0.5	
SP-22	80	7/17/2014	TestAmerica, Inc.	0.43 J	14	9.7	2.3	<1	<1	n/a	n/a	<2	<3	<1	0.17 J	0.22 J	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-23 (25-30)	25-30	9/17/2007	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-23	30	7/11/2014	TestAmerica, Inc.	<1	<1	<1	1.2	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	0.14 J	<1	n/a	<1	<1	<1	<1	
SP-24 (75-80)	75-80	10/2/2007	SCDOH	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-24	80	7/15/2014	TestAmerica, Inc.	0.57 J	2.7	0.62 J	8.3	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-25 (20-25)	20-25	9/27/2007	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-25	25	7/11/2014	TestAmerica, Inc.	<1	<1	<1	0.23 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-26 (75-80)	75-80	10/1/2007	SCDOH	<0.5	<0.5	<0.5	3.4	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-26P (75-80)	75-80	3/16/2009	SCDOH	<0.5	<0.5	0.7	7.9	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-26P (75-80)	75-80	11/24/2010	SCDOH	<0.5	<0.5	0.6	2.6	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-26P (75-80)	75-80	7/13/2011	SCDOH	<0.5	0.6	1.4	6.9	0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-26P (75-80)	75-80	12/26/2012	SCDOH	<0.5	1.5	3.1	4.4	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-26	80	7/15/2014	TestAmerica, Inc.	2.2	3.5	4.1	17	0.3 J	<1	n/a	n/a	<2	<3	<1	0.47 J	0.67 J	<1	<1	<1	<1	<1	<1	<1	n/a	<1	0.26 J	<1	<1	
SP-27 (65-70)	65-70	10/3/2007	SCDOH	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-27	70	7/17/2014	TestAmerica, Inc.	<1	1.7	0.31 J	0.44 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-28 (25-30)	25-30	12/12/2007	SCDOH	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-28	30	7/17/2014	TestAmerica, Inc.	<1	0.1 J	<1	0.2 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-29	25	7/17/2014	TestAmerica, Inc.	<1	<1	<1	0.43 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-30	30	7/17/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-31 (25-30)	25-30	12/19/2007	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-31	30	7/14/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-32 (25-30)	25-30	5/5/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-32	30	7/17/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-34P (70-75)	70-75	3/16/2009	SCDOH	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-34P (70-75)	70-75	11/22/2010	SCDOH	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-34P	75	7/16/2014	TestAmerica, Inc.	<1	0.78 J	<1	0.71 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-34D (110-115)	110-115	8/21/2008	SCDOH	4.4	<0.5	1.3	25	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	1.1	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	0.9	<0.5	
SP-34D (110-115)	110-115	1/27/2009	SCDOH	2.3	<0.5	5	13	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	0.7	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-34D (110-115)	110-115	11/22/2010	SCDOH	16	1	15	89	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	6.7	<0.5	<0.5	n/a	<0.5	0.5	<0.5	n/a	<0.5	<0.5	4.7	<0.5		
SP-34D	120	7/16/2014	TestAmerica, Inc.	9.7	9.5	16	79	<1	<1	n/a	n/a	<2	<3	<1	1.7	2.4	<1	<1	<1	<1	0.34 J	<1	<1	n/a	<1	1.6	<1	<1	
SP-35 (25-30)	25-30	5/15/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-35 (25-30)	25-30	3/4/2010	SCDOH	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-35	30	7/11/2014	TestAmerica, Inc.	<1	<1	<1	0.18 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	0.47 J	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	
SP-35P (75-80)	75-80	5/15/2008	SCDOH	11	5.1	28	167	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	6.7	16	<0.5	<0.5	<0.5	<0.5	1.3	n/a	<0.5	<0.5	0.6	4.1	<0.5	<0.5	
SP-35P (75-80)	75-80	3/16/2009	SCDOH	<0.5	2.3	2.7	1.7	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-35P (75-80)	75-80	3/4/2010	SCDOH	2.2	9.7	17	21	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	1.2	1.8	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	
SP-35P (75-80)	75-80	11/23/2010	SCDOH	<0.5	2.5	2.7	1.6	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5												

Table 5.

Speonk Solvent Plume
North Phillips Ave.
Speonk, NY
Site # 152185



Groundwater Sampling Laboratory Analytical Results - Historical Data
Suffolk County Department of Health, Unkown
TestAmerica Laboratories, Inc., EPA Method 8260C
VOCs (ug/L)

Location	Depth	Date Collected	Lab	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	Benzene	Toluene	o-Xylene	Xylenes Total	Total BTEX	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3-Dichlorobenzene	Chlorobenzene	Dichlorobenzenes	Diethyl ether	Freon 113	Methylene Chloride	Tert-Amyl-Methyl-Ether
SP-35P (75-80)	75-80	9/15/2011	SCDOH	<0.5	2.2	3.3	2.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-35P (75-80)	75-80	1/8/2013	SCDOH	<0.5	7.9	5.6	1.1	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-35P	80	7/11/2014	TestAmerica, Inc.	9.9	200	280	91	<1	<1	n/a	n/a	<2	<3	0.16 J	4.4	11	0.25 J	6.6	0.38 J	<1	1.3	<1	<1	n/a	1.6	<1	<1	<1
SP-36 (25-30)	25-30	5/6/2008	SCDOH	<0.5	0.9	0.8	0.8	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-36	30	7/11/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-37 (25-30)	25-30	5/13/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-37	30	7/14/2014	TestAmerica, Inc.	<1	<1	<1	0.64 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-39 (25-30)	25-30	7/9/2008	SCDOH	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-39	30	7/16/2014	TestAmerica, Inc.	<1	<1	<1	0.25 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-40 (15-20)	15-20	7/10/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-40 (15-20)	15-20	8/1/2012	SCDOH	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-40	20	7/16/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-41 (25-30)	25-30	8/5/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-41	30	7/14/2014	TestAmerica, Inc.	<1	<1	<1	0.49 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-42 (25-30)	25-30	7/16/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-42	30	7/14/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-43 (25-30)	25-30	7/22/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-43	30	7/14/2014	TestAmerica, Inc.	<1	<1	<1	0.12 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-44 (65-70)	65-70	8/7/2008	SCDOH	<0.5	<0.5	<0.5	5.2	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-44P (65-70)	65-70	3/16/2009	SCDOH	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-44P (65-70)	65-70	11/24/2010	SCDOH	<0.5	<0.5	<0.5	1	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-44P (65-70)	65-70	9/29/2011	SCDOH	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-44P (65-70)	65-70	1/8/2013	SCDOH	<0.5	<0.5	2.1	17	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	0.7	<0.5	<0.5
SP-44	70	7/14/2014	TestAmerica, Inc.	1.4	0.49 J	1.9	12	<1	<1	n/a	n/a	<2	<3	<1	0.17 J	0.32 J	<1	<1	<1	<1	<1	<1	<1	n/a	<1	0.34 J	<1	<1
SP-45 (25-30)	25-30	7/31/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-45 (25-30)	25-30	8/1/2012	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-45	30	7/11/2014	TestAmerica, Inc.	<1	<1	<1	0.47 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.18 J	<1	n/a	<1	<1	<1
SP-46 (25-30)	25-30	7/31/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-46	30	7/11/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.15 J	<1	n/a	<1	<1	<1
SP-47 (25-30)	25-30	8/4/2008	SCDOH	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-47	30	7/16/2014	TestAmerica, Inc.	<1	<1	<1	0.15 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1
SP-48P (70-75)	70-75	3/16/2009	SCDOH	<0.5	<0.5	<0.5	0.7	1.1	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-48P (70-75)	70-75	1/9/2013	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-48	75	7/16/2014	TestAmerica, Inc.	<1	<1	<1	0.43 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-48 (110-115)	110-115	1/29/2008	SCDOH	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-48 (110-115)	110-115	8/20/2008	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-48 (110-115)	110-115	1/9/2013	SCDOH	<0.5	<0.5	<0.5	21	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	0.7	0.9	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-48P	123	7/16/2014	TestAmerica, Inc.	3.4	<1	0.38 J	150	<1	<1	n/a	n/a	<2	<3	<1	5.3	7.2	<1	<1	<1	<1	1	<1	<1	n/a	1.2	2.8	0.28 J	<1
SP-49	90	7/14/2014	TestAmerica, Inc.	<1	0.24 J	0.13 J	0.76 J	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-50MA (25-35)	25-35	1/21/2009	SCDOH	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-50A	37	7/22/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-50M (75-80)	75-80	1/21/2009	SCDOH	1.5	255	59	39	<0.5	<0.5	n/a	n/a	<0.5	<0.5 J	<0.5	1.4	3.1	<0.5	<0.5	n/a	<0.5	0.7	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-50M (75-80)	75-80	11/17/2010	SCDOH	0.7	200	22	14	<																				

Table 5.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Groundwater Sampling Laboratory Analytical Results - Historical Data
 Suffolk County Department of Health, Unkown
 TestAmerica Laboratories, Inc., EPA Method 8260C
 VOCs (ug/L)

Location	Depth	Date Collected	Lab	Carbon Tetrachloride	Tetrachloroethene	Trichloroethylene	Chloroform	MTBE	Benzene	Toluene	o-Xylene	Xylenes Total	Total BTEX	1,1 Dichloroethane	1,1 Dichloroethene	1,1,1 Trichloroethane	1,1,1,2 Tetrachloroethane	1,1,2 Trichloroethane	1,1,2,2 Tetrachloroethane	1,2 Dichlorobenzene	1,2 Dichloroethane	1,3 Dichlorobenzene	Chlorobenzene	Dichlorobenzenes	Diethyl ether	Freon 113	Methylene Chloride	Tert-Amyl-Methyl-Ether
SP-89	30	7/18/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-90 (40-45)	40-45	11/22/2010	SCDOH	<0.5	<0.5	<0.5	1.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-90	40	7/11/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
SP-91 (30-35)	30-35	11/24/2010	SCDOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5
SP-91	30	7/11/2014	TestAmerica, Inc.	<1	<1	<1	<1	<1	<1	n/a	n/a	<2	<3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1
NYSDEC TOGS111 ClassGA Standard/Guidance				5	5	5	7	10	1	5	5	n/a	n/a	5	5	5	5	1	5	3	0.6	3	5	n/a	n/a	5	5	n/a

"J" value indicates estimated values

The chemicals listed below were reported below the LRL:

1,4 Dichlorobenzene

Table 6.

Speonk Solvent Plume
North Phillips Ave.
Speonk, NY
Site # 152185



Suffolk County Department of Health and EAR Well Identification

SCDHS Well ID	EAR Well ID	Notes
SP-1 (70-75)	SP-1	
SP-1M (25-35)	SP-1M	
SP-5M (25-35)	SP-5A	
	SP-5B	No SCDHS well in historical tables with corresponding well depth.
	SP-5M	SP-5M was mislabeled as SP-5A. No SCDHS Well in historical tables with corresponding well depth.
SP-16 (25-30)	SP-16	
SP-16P	SP-16P	No SCDHS Well in historical tables with corresponding well depth.
SP-18 (25-30)	SP-18	
SP-18 (75-80)	SP-18D	
SP-19 (25-30)	SP-19	
SP-20 (25-30)	SP-20	
SP-21 (25-30)	SP-21	
SP-22 (25-30)	SP-22A	
SP-22 (75-80)	SP-22	
SP-23 (25-30)	SP-23	
SP-24 (75-80)	SP-24	
SP-25 (20-25)	SP-25	
SP-26P (75-80)	SP-26	
SP-27 (65-70)	SP-27	
SP-28 (25-30)	SP-28	
SP-31 (25-30)	SP-31	
SP-32 (25-30)	SP-32	
SP-34P (70-75)	SP-34P	
SP-34D (110-115)	SP-34D	
SP-35 (25-30)	SP-35	
SP-35P (75-80)	SP-35P	
SP-36 (25-30)	SP-36	
SP-37 (25-30)	SP-37	
SP-39 (25-30)	SP-39	
SP-40 (15-20)	SP-40	
SP-41 (25-30)	SP-41	
SP-42 (25-30)	SP-42	
SP-43 (25-30)	SP-43	
SP-44P (65-70)	SP-44	
SP-45 (25-30)	SP-45	
SP-46 (25-30)	SP-46	
SP-47 (25-30)	SP-47	
SP-48P (70-75)	SP-48	
SP-48 (110-115)	SP-48P	Well depth of SP-48P was 123 feet BGS during sampling event.
SP-50MA (25-35)	SP-50A	
SP-50M (75-80)	SP-50	Well depth of SP-50 was 87 feet BGS during sampling event.
SP-52MA (21-31)	SP-52A	Well depth of SP-52A was 36 feet BGS during sampling event.
SP-52M (65-70)	SP-52	Well depth of SP-52 was 75 feet BGS during sampling event.
SP-53 (40-45)	SP-53	
SP-54 (40-45)	SP-54 (2in)	
SP-54 (70-75)	SP-54 (.75in)	
SP-55 (40-45)	SP-55	
SP-56 (70-75)	SP-56	
SP-57 (40-45)	SP-57	
SP-61 (35-40)	SP-61	
SP-62 (25-30)	SP-62	
SP-63 (40-45)	SP-63	
SP-63A (40-45)	SP-63A	
SP-63B (40-45)	SP-63B	
SP-63C (40-45)	SP-63C	
SP-66D (100-105)	Sp-66D	
SP-68 (25-30)	SP-68	
SP-69 (25-30)	SP-69	
SP-69D (90-95)	SP-69D	
SP-70 (25-30)	SP-70	
SP-72D (97-102)	SP-72D	

Table 6.

Speonk Solvent Plume
 North Phillips Ave.
 Speonk, NY
 Site # 152185



Suffolk County Department of Health and EAR Well Identification

SCDHS Well ID	EAR Well ID	Notes
SP-73 (25-30)	SP-73	
SP-74 (25-30)	SP-74	
SP-74D (100-105)	SP-75D	
SP-75 (25-30)	SP-75	
SP-76 (25-30)	SP-76	
SP-77 (25-30)	SP-77	
SP-77D (100-105)	SP-77D	
SP-78 (25-30)	SP-78	
SP-79 (25-30)	SP-79	
SP-80 (25-30)	SP-80	
SP-81 (70-75)	SP-81	
SP-82 (25-30)	SP-82	
SP-82M (75-80)	SP-82M	Well depth of SP-82M was 85 feet BGS during sampling event.
SP-83 (25-30)	SP-83	
SP-84 (25-30)	SP-84	
SP-85 (25-30)	SP-85	
SP-86 (15-20)	SP-86	
SP-87 (5-10)	SP-87	
SP-88 (60-65)	SP-88	
SP-89 (30-35)	SP-89	
SP-90 (40-45)	SP-90	
SP-91 (30-35)	SP-91	



MODIFIED FROM USGS EASTPORT, NY 7.5' QUADRANGLE, 2013

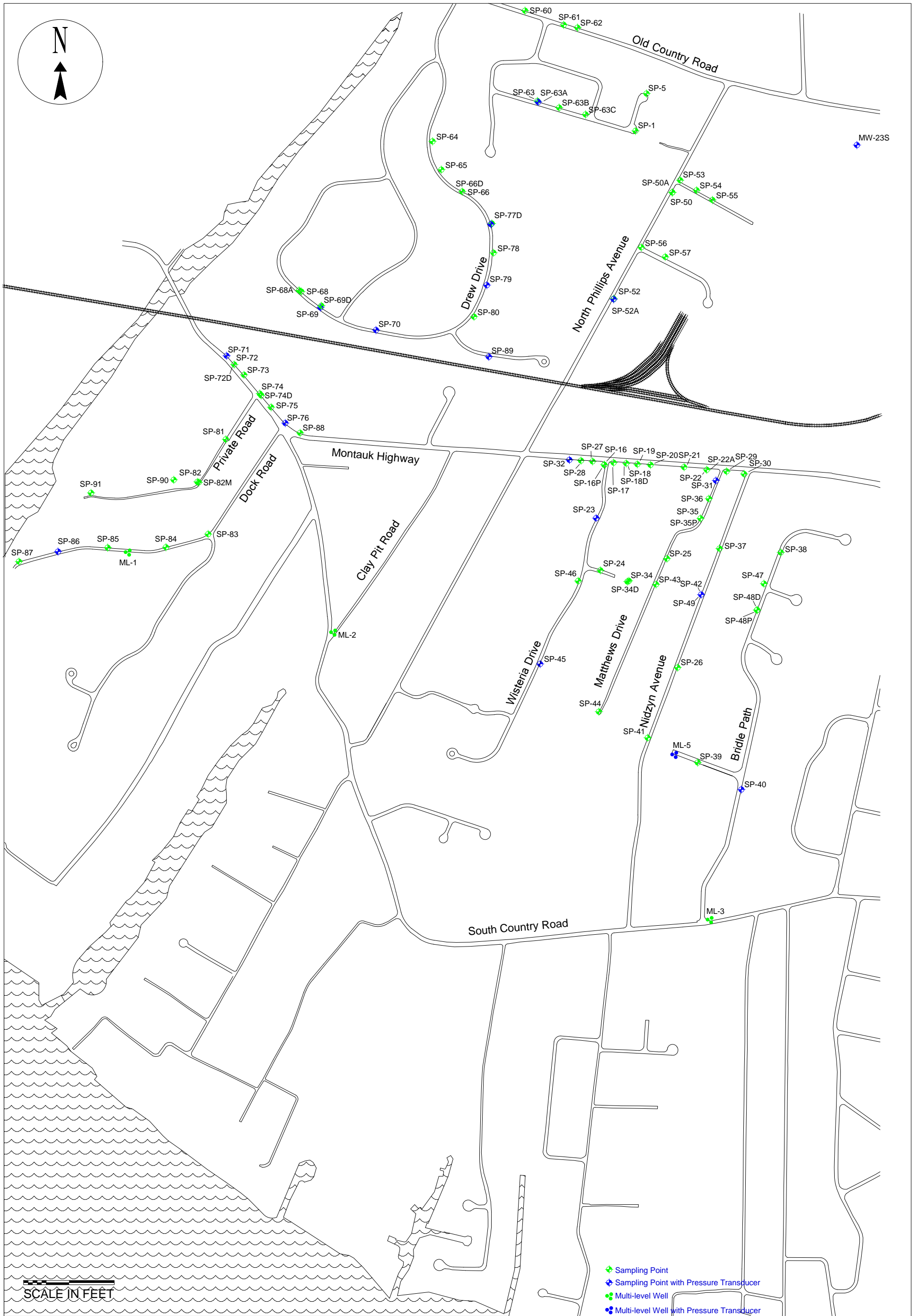
NOT TO SCALE



225 Atlantic Avenue
Patchogue, New York 11772
Tel (631) 447-6400
Fax (631) 447-6497
Email Info@Enviro-Asmnt.com
www.Enviro-Asmnt.com

FIGURE 1 - SITE LOCATION MAP

Speonk Solvent Plume
North Phillips Avenue
NYSDEC Site # 152185



**Figure 2.
Site Map
with Well Locations**

**DEC-Speonk Solvent Plume
North Phillips Avenue
Speonk, NY
Site No. 152185**



**ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS**

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Carbon Tetrachloride Shallow 0-40 Feet Deep
 July 2014 (Maximum Concentration Values)

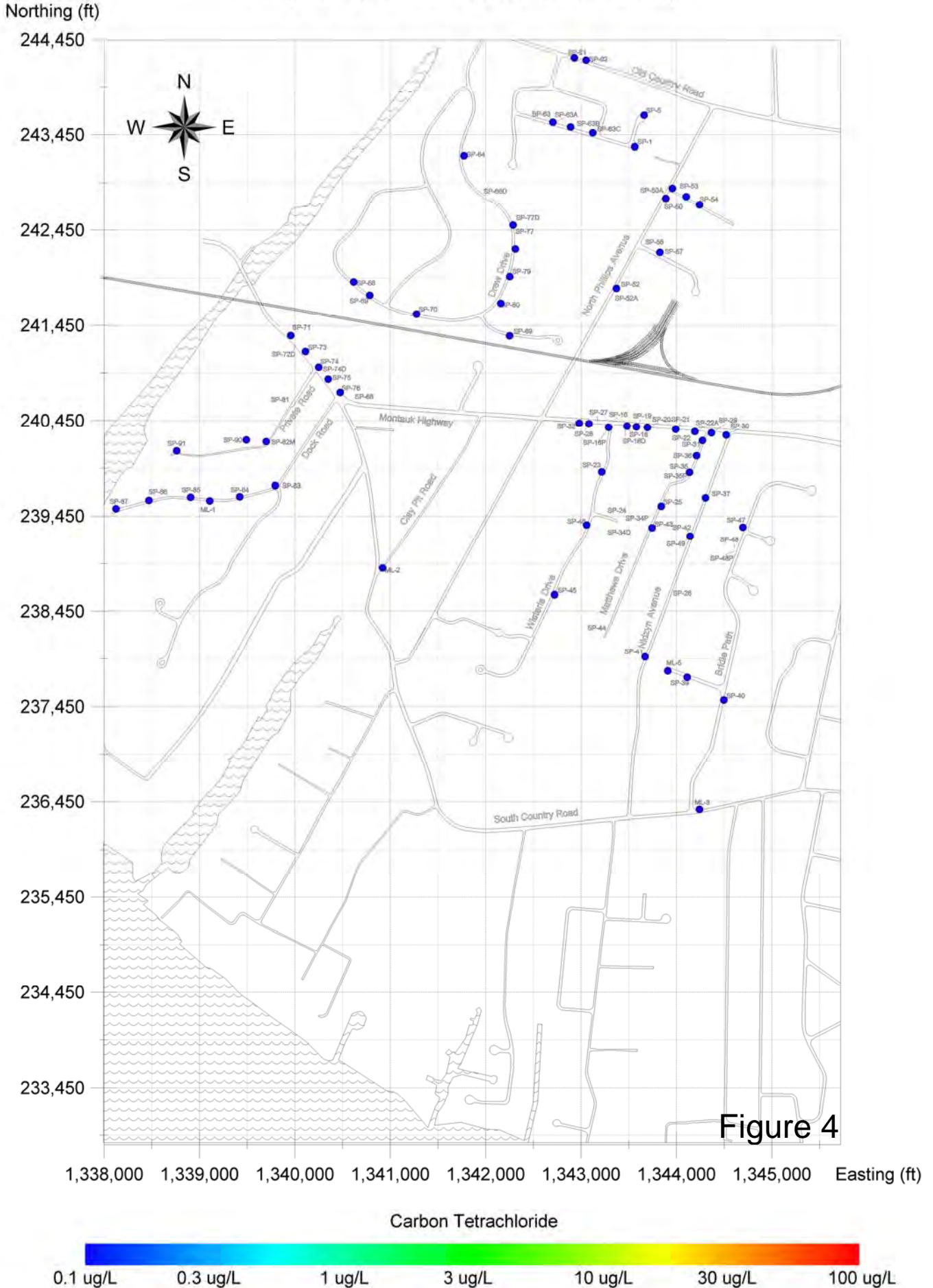


Figure 4

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Tetrachloroethene Shallow 0-40 Feet Deep
 July 2014 (Maximum Concentration Values)

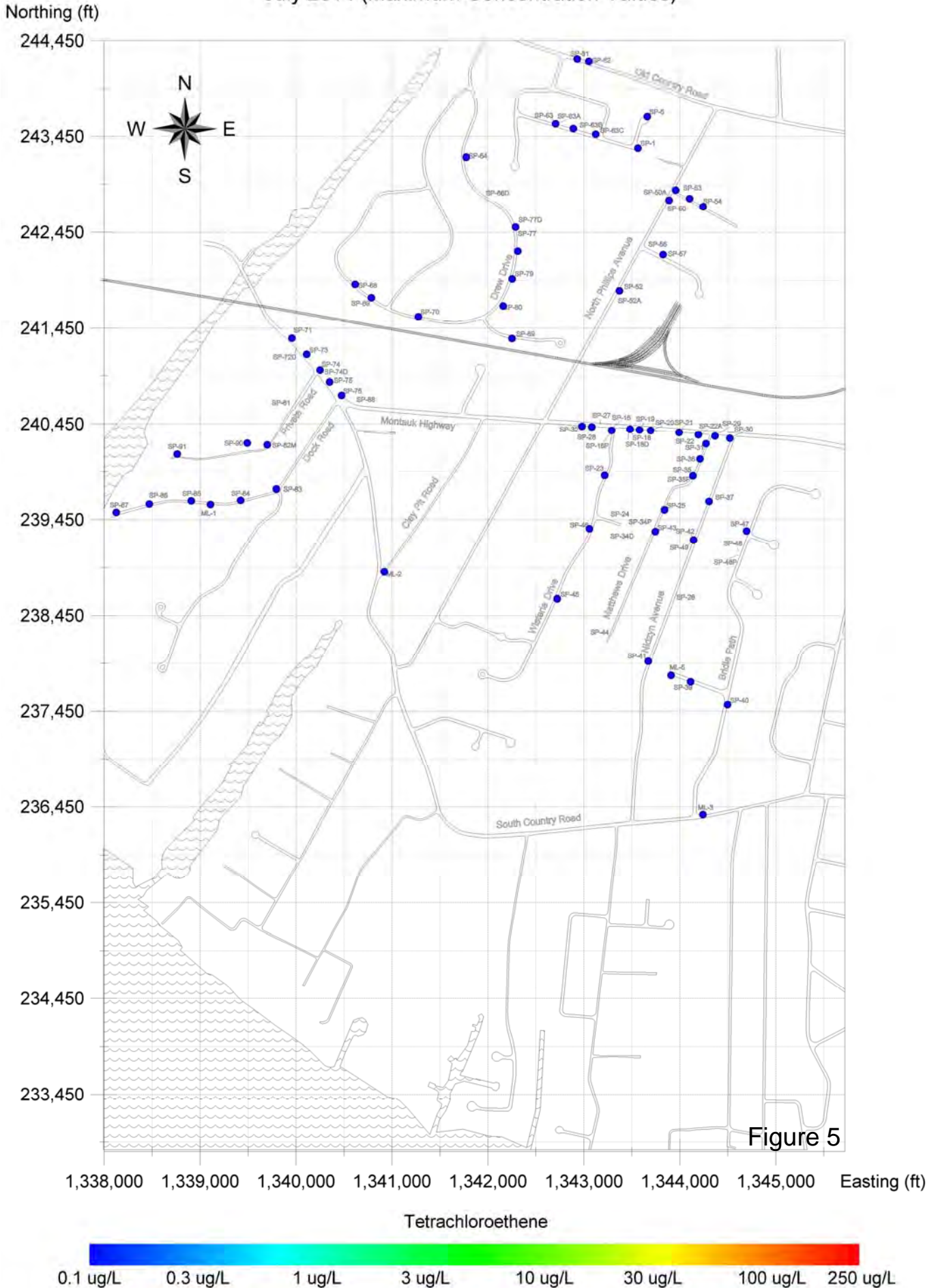


Figure 5

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Trichloroethylene Shallow 0-40 Feet Deep
 July 2014 (Maximum Concentration values)

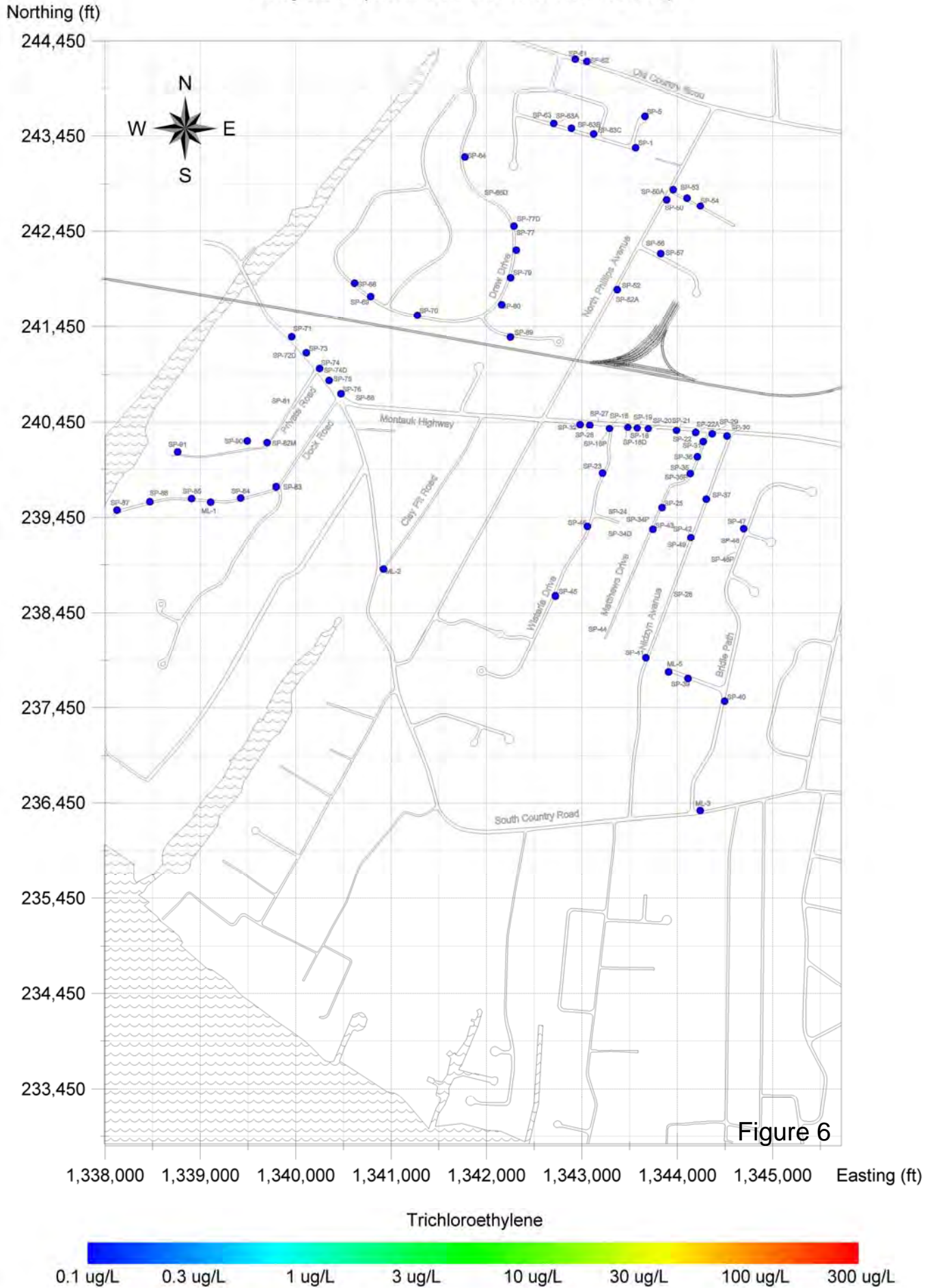
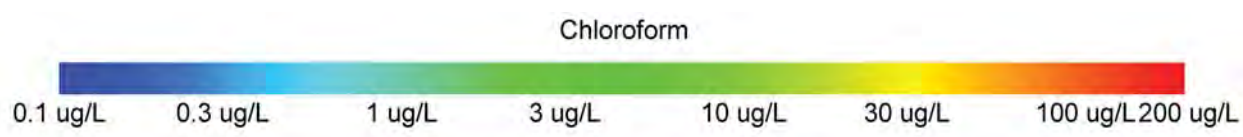
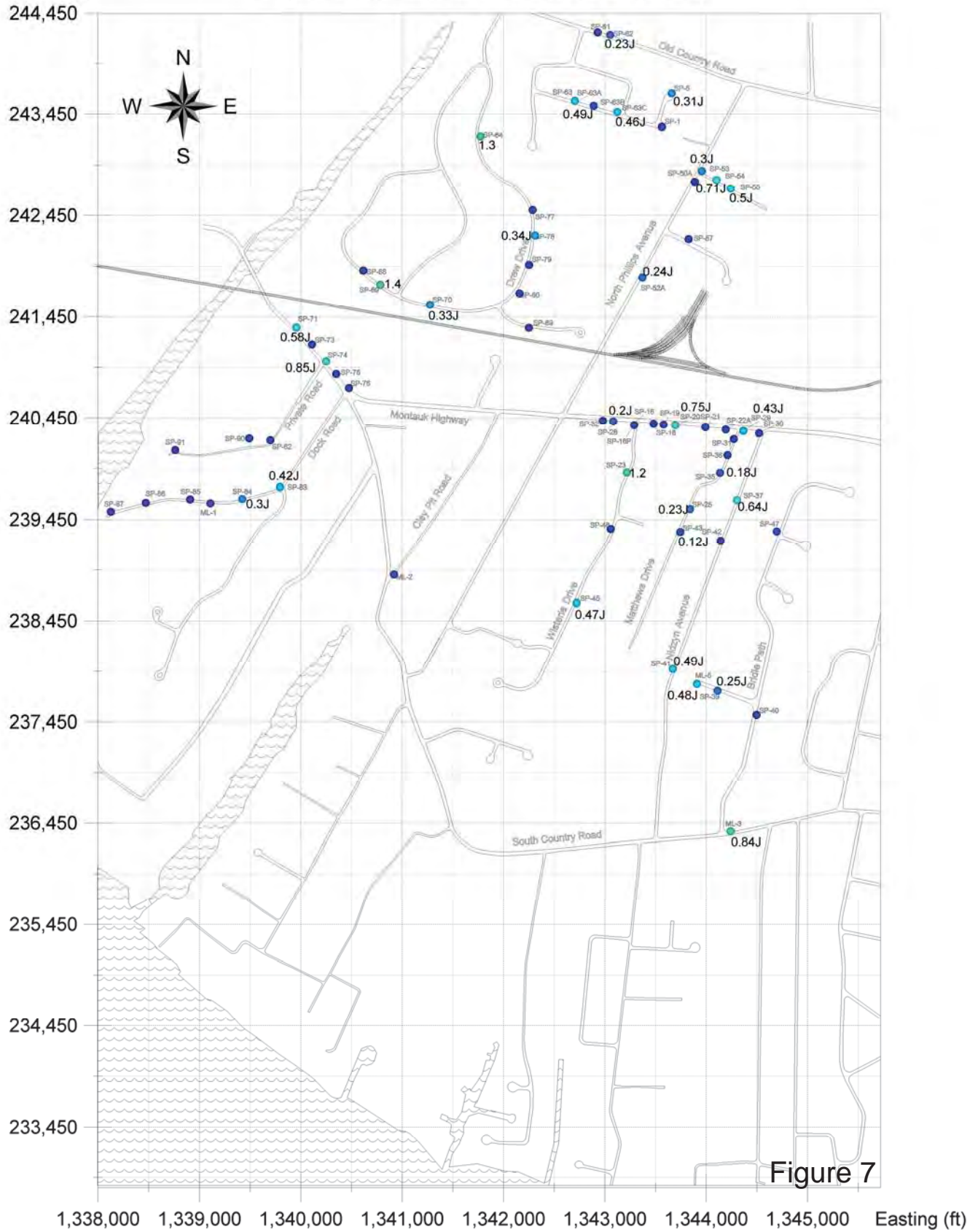


Figure 6

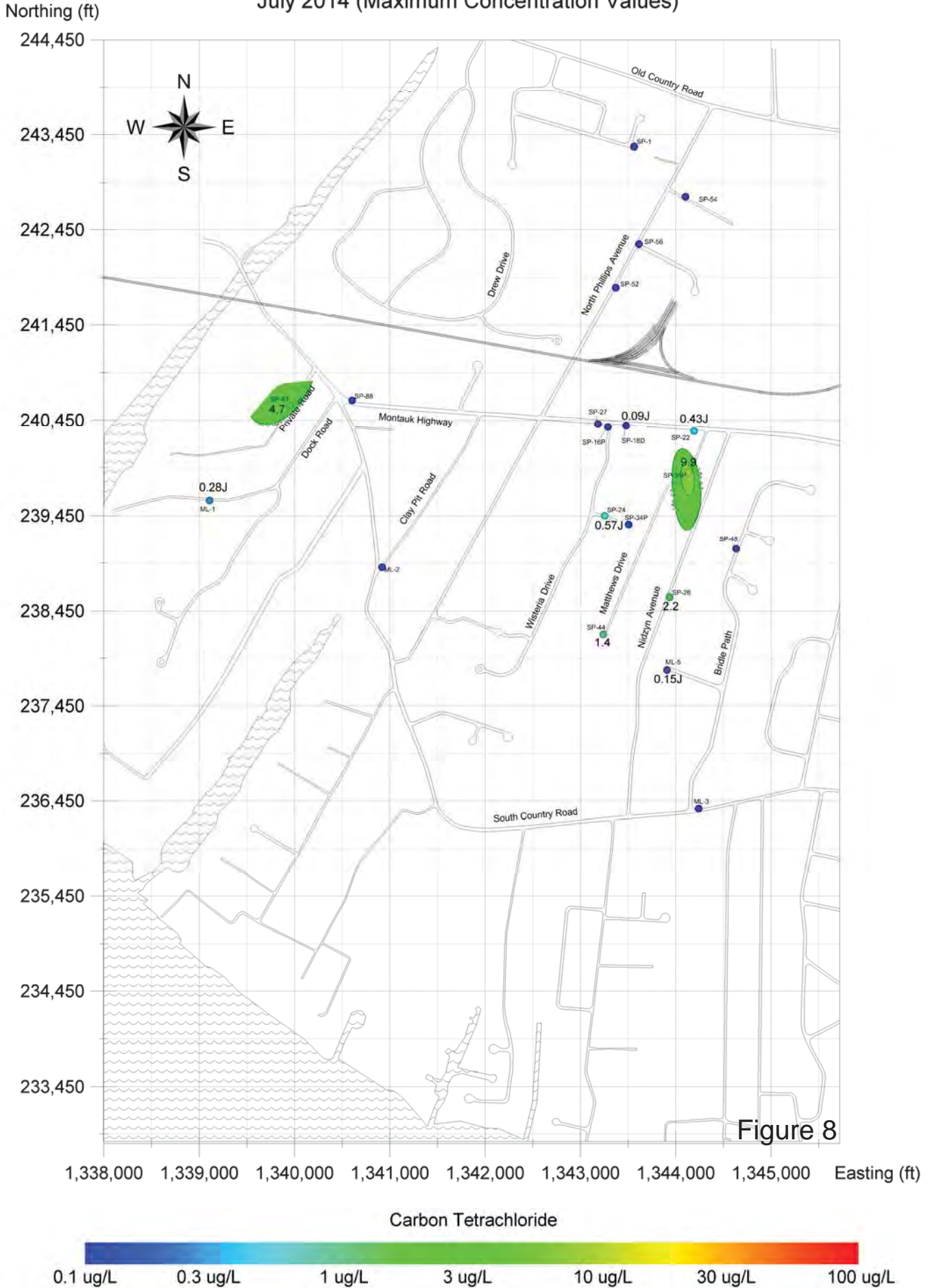
Speonk Solvent Plume
 NYSDEC Site No. 152185
 Chloroform Shallow
 0-40 Feet Deep

Northing (ft)

July 2014 (Maximum Concentration Values)



Speonk Solvent Plume
 NYSDEC Site No. 152185
 Carbon Tetrachloride
 Intermediate 40-80 Feet Deep
 July 2014 (Maximum Concentration Values)



Speonk Solvent Plume

NYSDEC Site No. 152185

Tetrachloroethene

Intermediate 40-80 Feet Deep

July 2014 (Maximum Concentration Values)

Northing (ft)

244,450

243,450

242,450

241,450

240,450

239,450

238,450

237,450

236,450

235,450

234,450

233,450

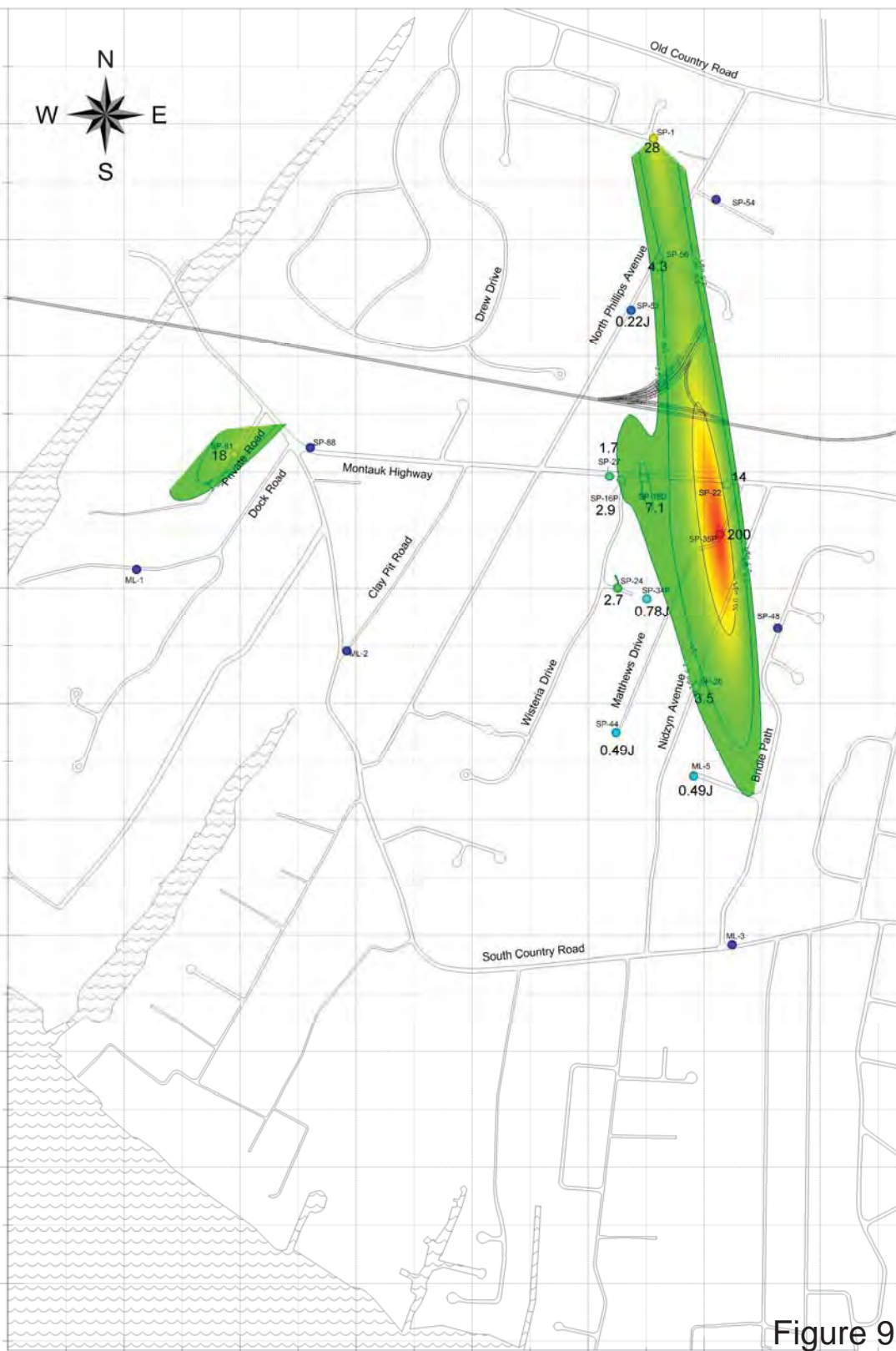


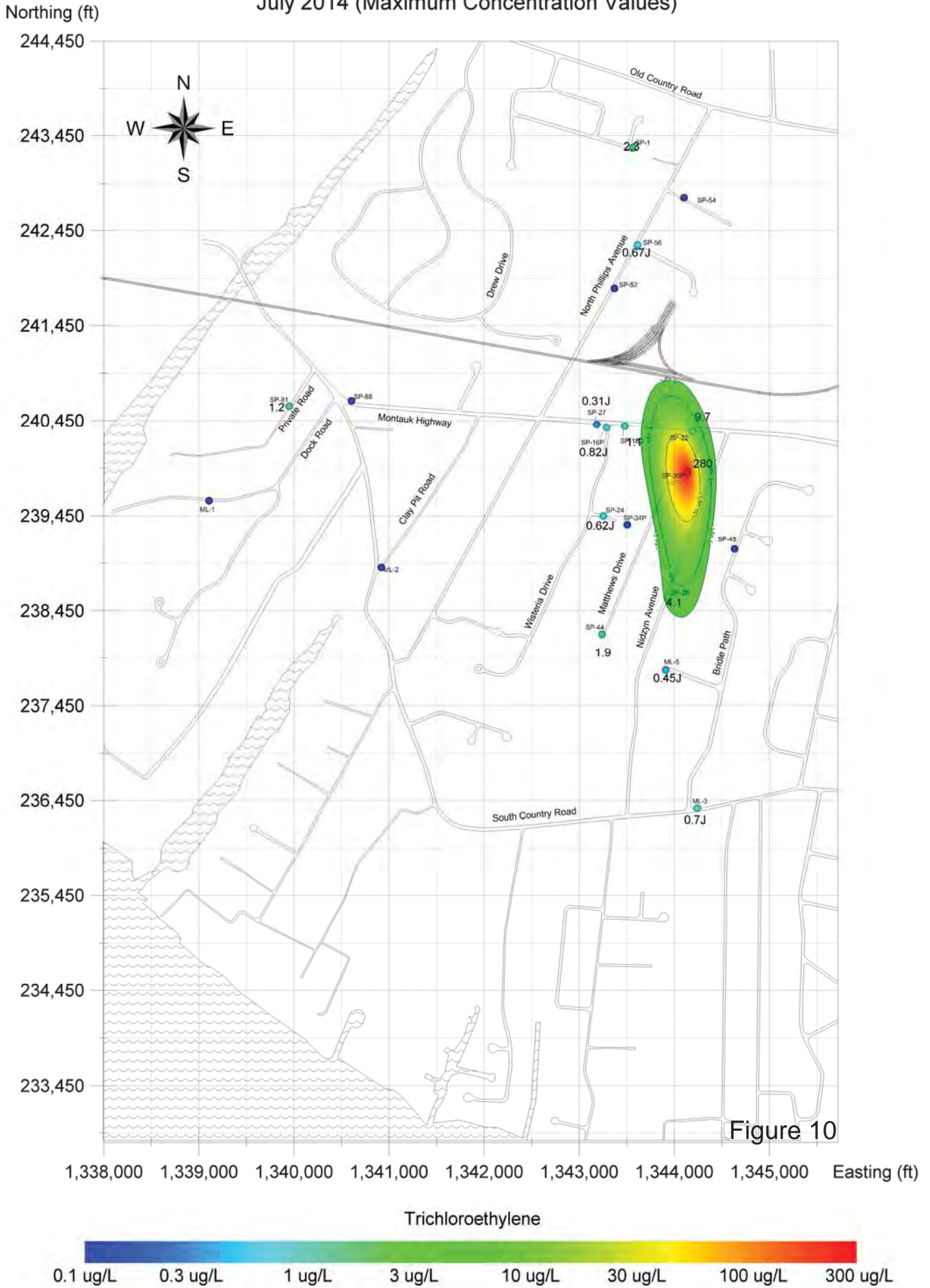
Figure 9

1,338,000 1,339,000 1,340,000 1,341,000 1,342,000 1,343,000 1,344,000 1,345,000 Easting (ft)

Tetrachloroethene



Speonk Solvent Plume
 NYSDEC Site No. 152185
 Trichloroethylene
 Intermediate 40-80 Feet Deep
 July 2014 (Maximum Concentration Values)



Speonk Solvent Plume

NYSDEC Site No. 152185

Chloroform

Intermediate 40-80 Feet Deep

July 2014 (Maximum Concentration Values)

Northing (ft)

244,450

243,450

242,450

241,450

240,450

239,450

238,450

237,450

236,450

235,450

234,450

233,450



Figure 11

1,338,000 1,339,000 1,340,000 1,341,000 1,342,000 1,343,000 1,344,000 1,345,000 Easting (ft)

Chloroform



Speonk Solvent Plume
NYSDEC Site No. 152185
Carbon Tetrachloride
80 Feet to Maximum Depth

July 2014 (Maximum Concentration Values)

Northing (ft)

244,450

243,450

242,450

241,450

240,450

239,450

238,450

237,450

236,450

235,450

234,450

233,450



Figure 12

1,338,000 1,339,000 1,340,000 1,341,000 1,342,000 1,343,000 1,344,000 1,345,000 Easting (ft)

Carbon Tetrachloride



Speonk Solvent Plume

NYSDEC Site No. 152185

Tetrachloroethene

80 Feet to Maximum Depth

July 2014 (Maximum Concentration Values)

Northing (ft)

244,450

243,450

242,450

241,450

240,450

239,450

238,450

237,450

236,450

235,450

234,450

233,450

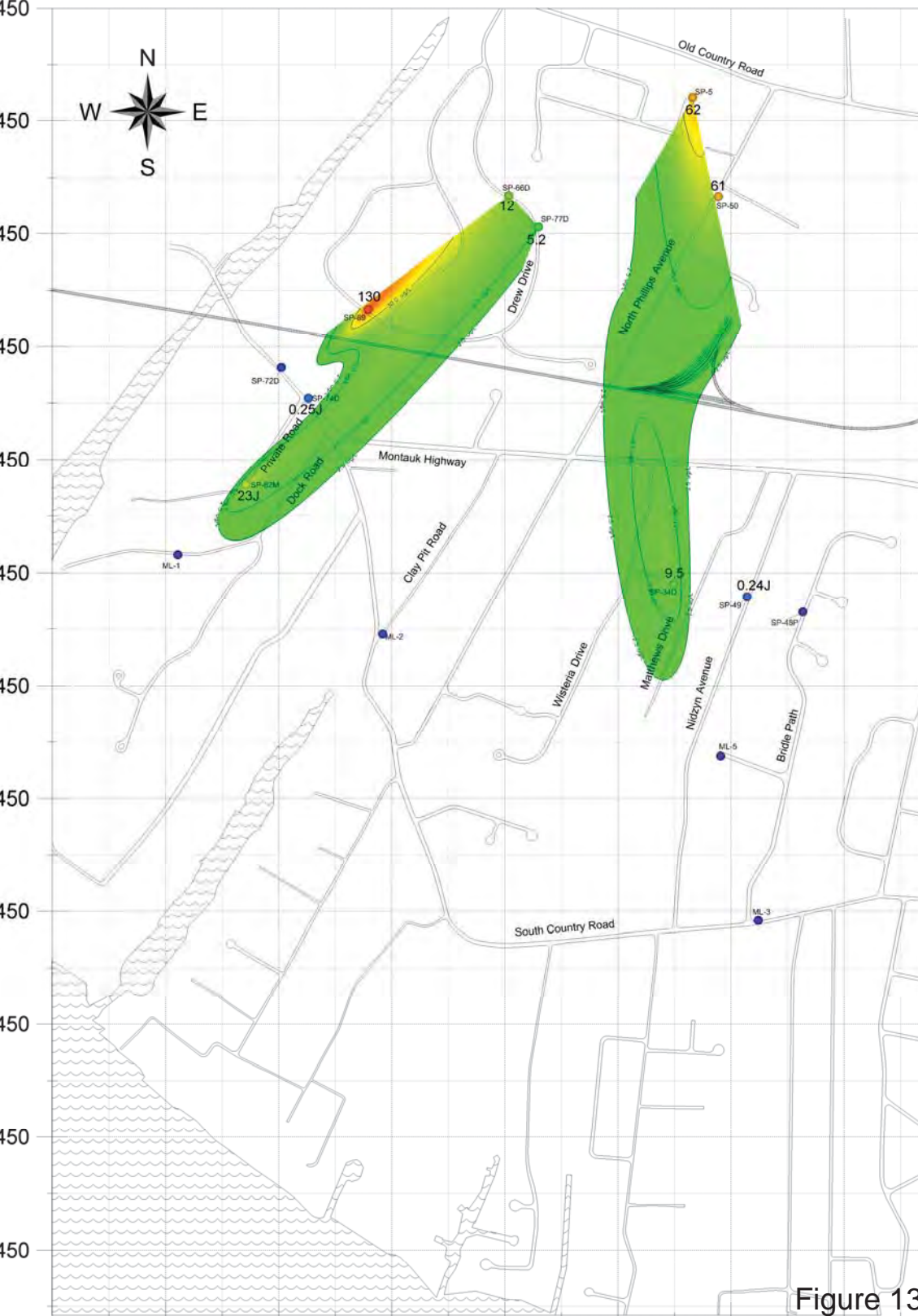


Figure 13

1,338,000 1,339,000 1,340,000 1,341,000 1,342,000 1,343,000 1,344,000 1,345,000 Easting (ft)

Tetrachloroethene



Speonk Solvent Plume

NYSDEC Site No. 152185

Trichloroethylene

80 Feet to Maximum Depth

July 2014 (Maximum Concentration Values)

Northing (ft)

244,450

243,450

242,450

241,450

240,450

239,450

238,450

237,450

236,450

235,450

234,450

233,450



Figure 14

1,338,000 1,339,000 1,340,000 1,341,000 1,342,000 1,343,000 1,344,000 1,345,000 Easting (ft)

Trichloroethylene



Spent Solvent Plume
 NYSDEC Site No. 152185
 Chloroform Deep
 80 Feet to Maximum Depth

July 2014 (Maximum Concentration Values)

Northing (ft)

244,450

243,450

242,450

241,450

240,450

239,450

238,450

237,450

236,450

235,450

234,450

233,450

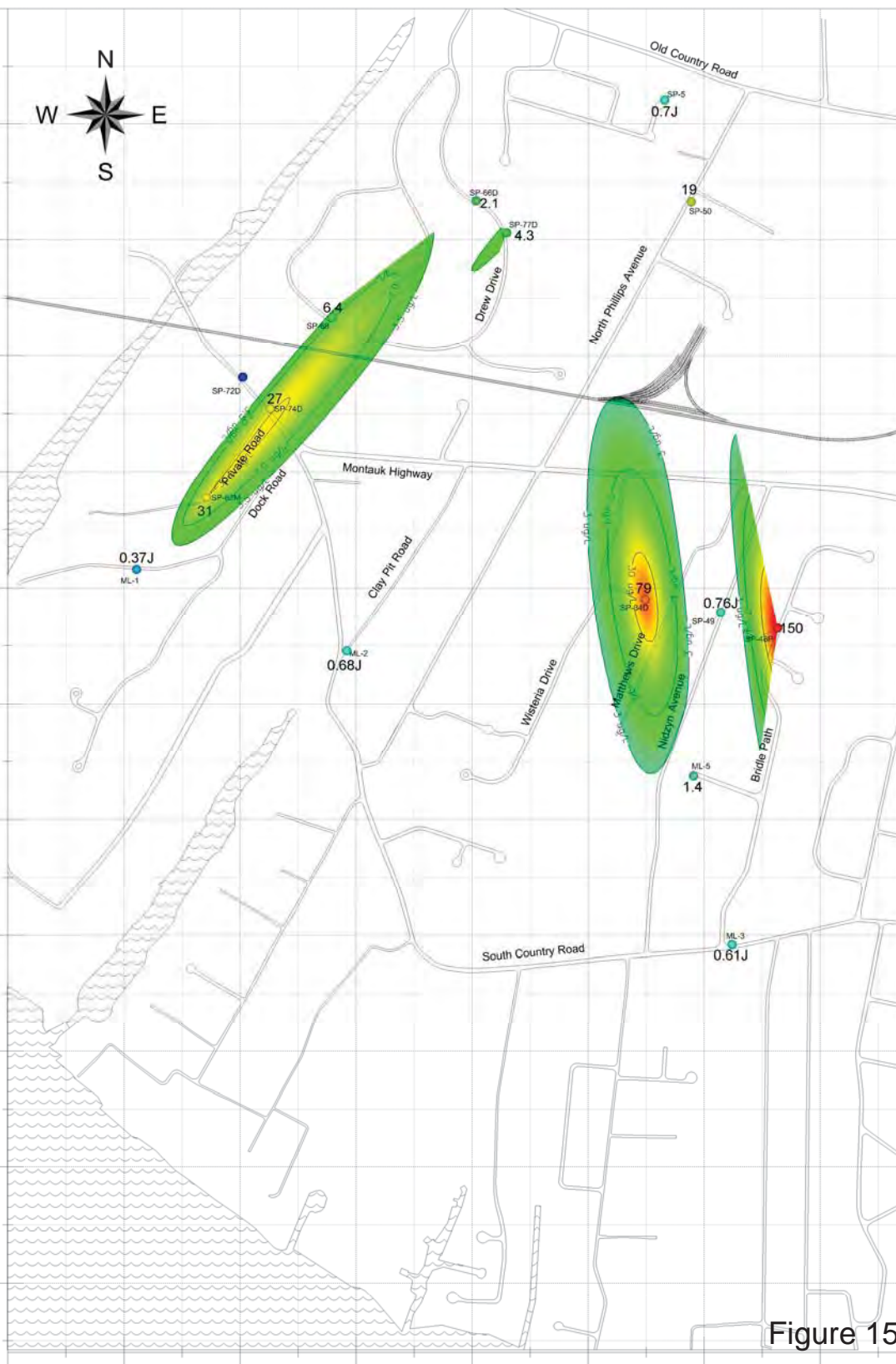


Figure 15

1,338,000 1,339,000 1,340,000 1,341,000 1,342,000 1,343,000 1,344,000 1,345,000 Easting (ft)

Chloroform



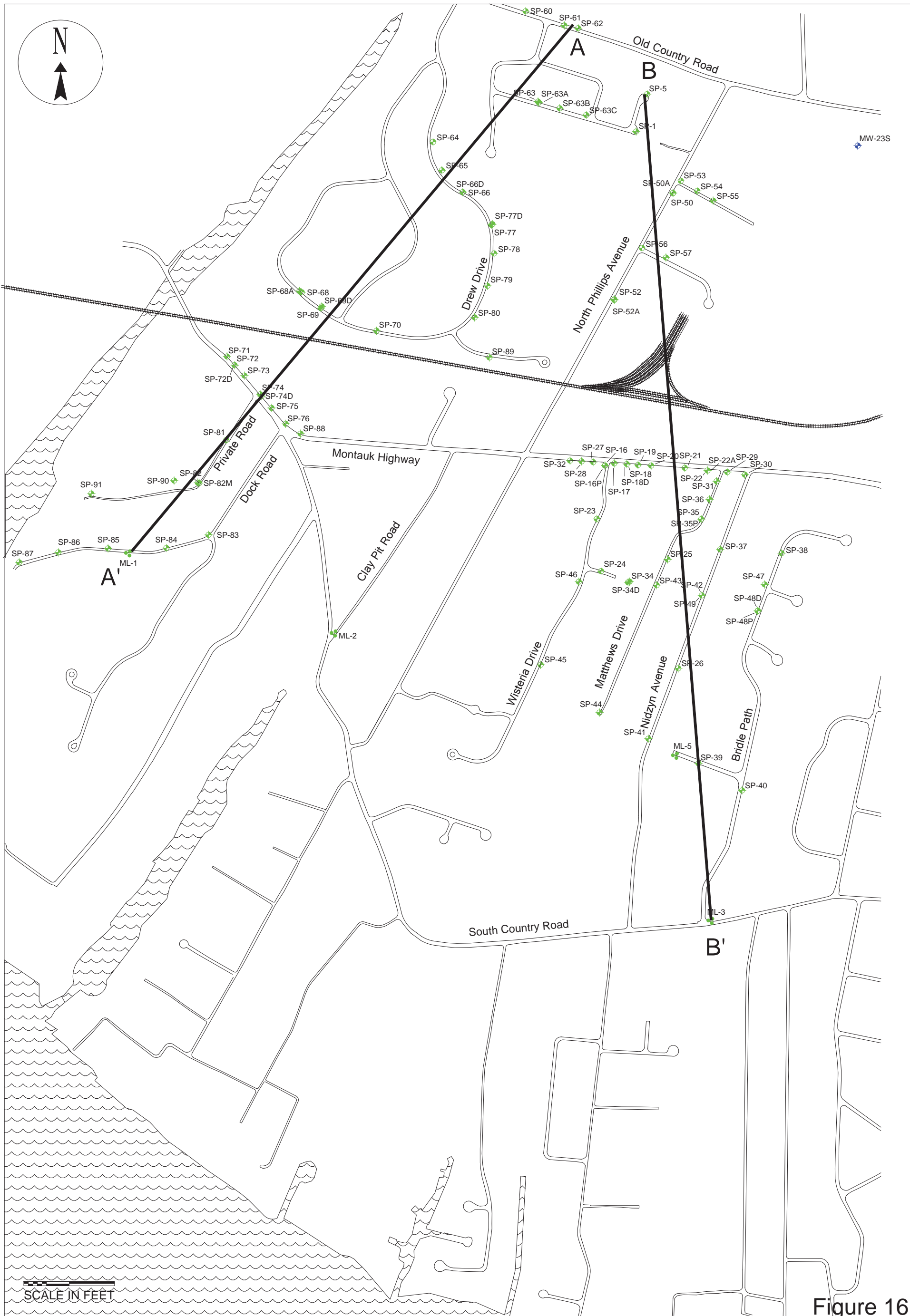


Figure 16



ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

Site Map
with
Cross Sections
A-A' & B-B'

DEC-Speonk Solvent Plume
North Phillips Avenue
Speonk, NY
Site No. 152185

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Carbon Tetrachloride Cross Section A-A"
 July 2014

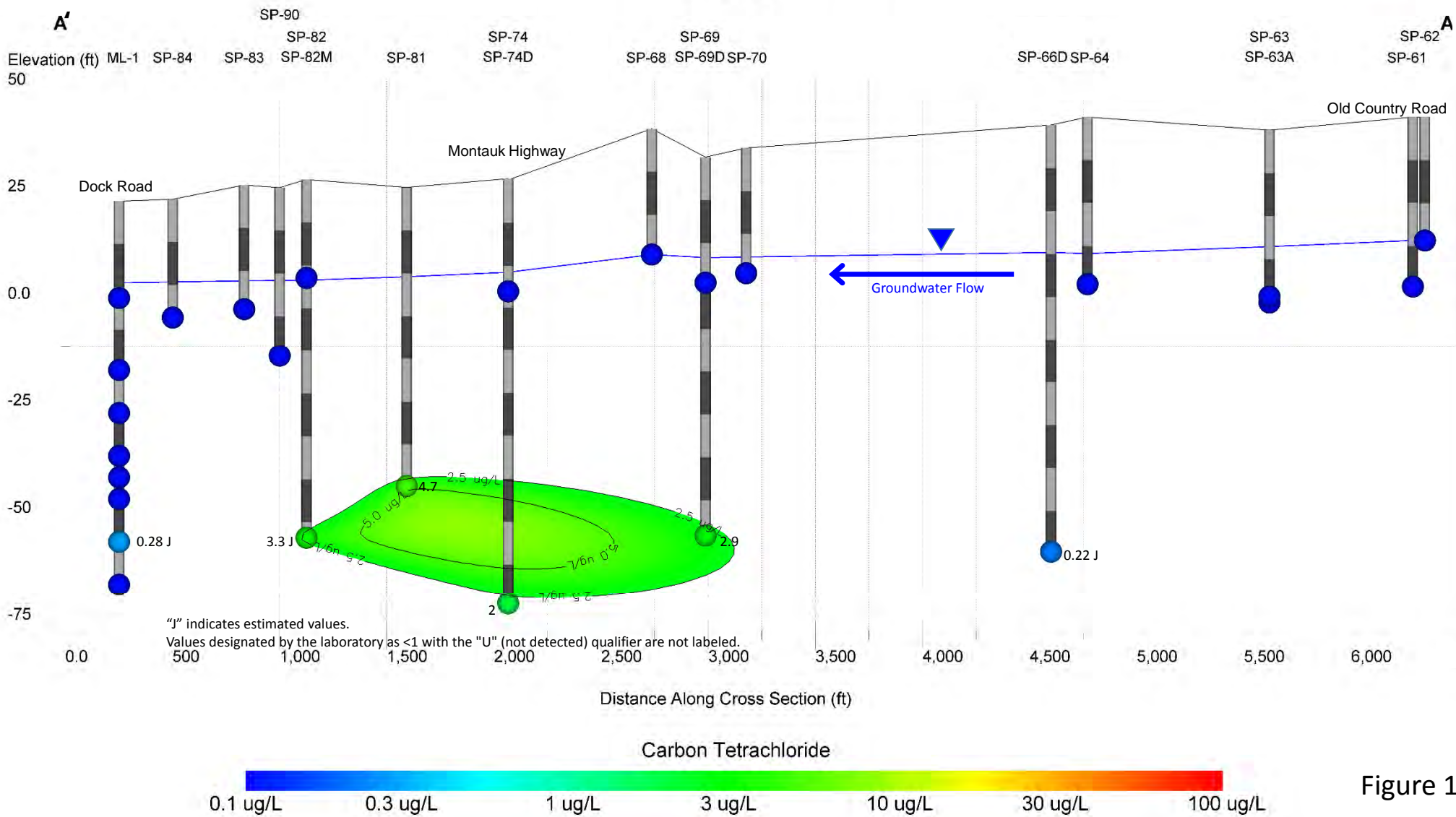


Figure 17

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Tetrachloroethene Cross Section A-A"
 July 2014

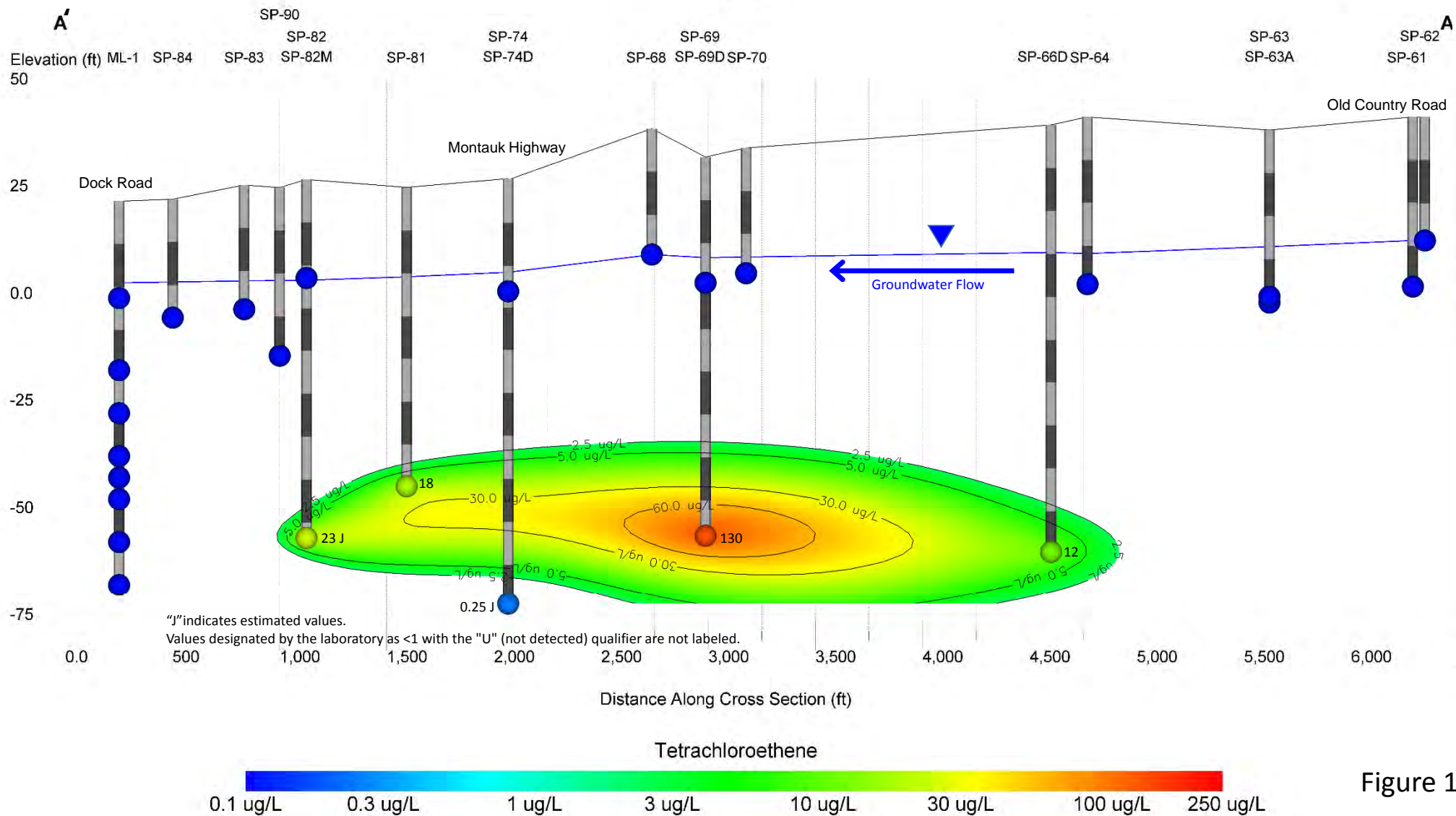


Figure 18

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Trichloroethylene Cross Section A-A'
 July 2014

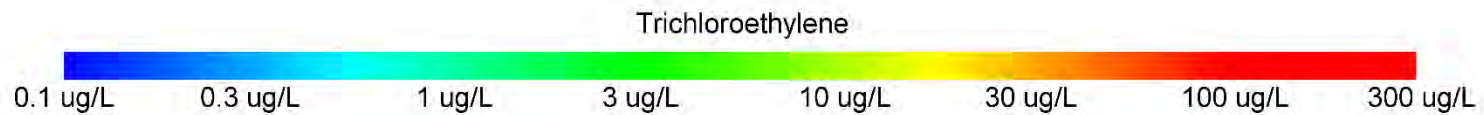
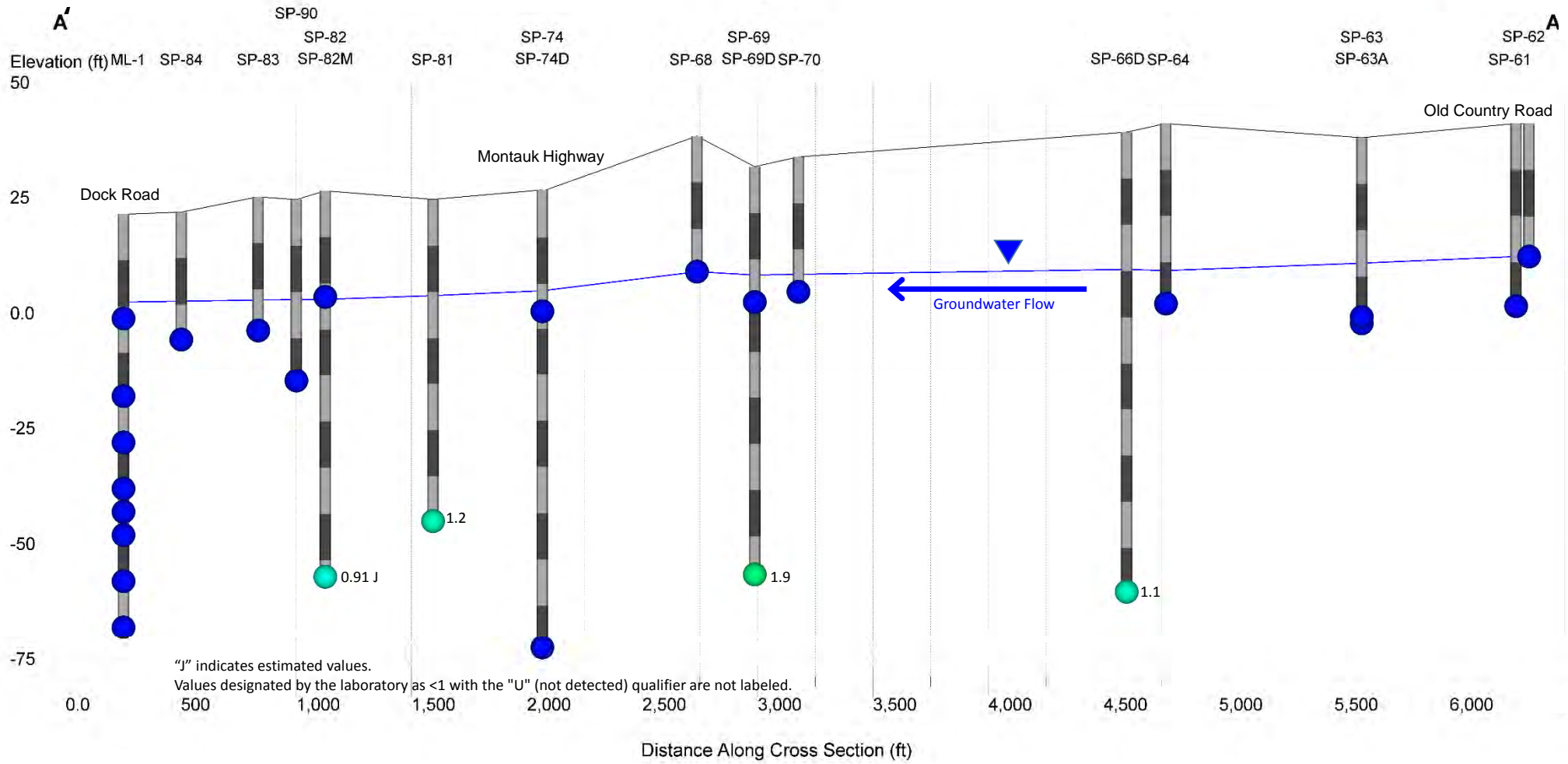


Figure 19

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Chloroform Cross Section A-A'
 July 2014

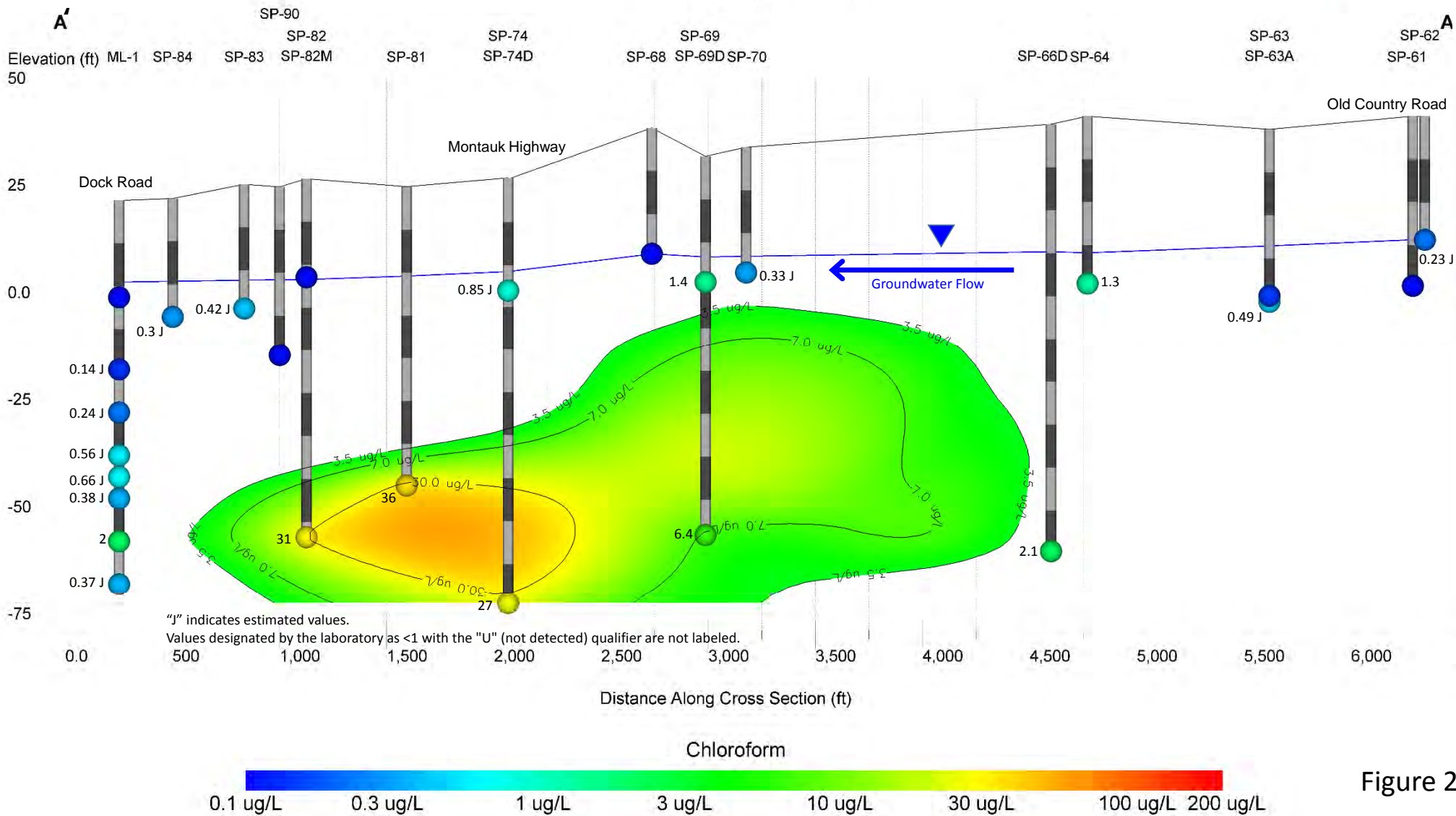


Figure 20

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Carbon Tetrachloride Cross Section B-B'



July 2014

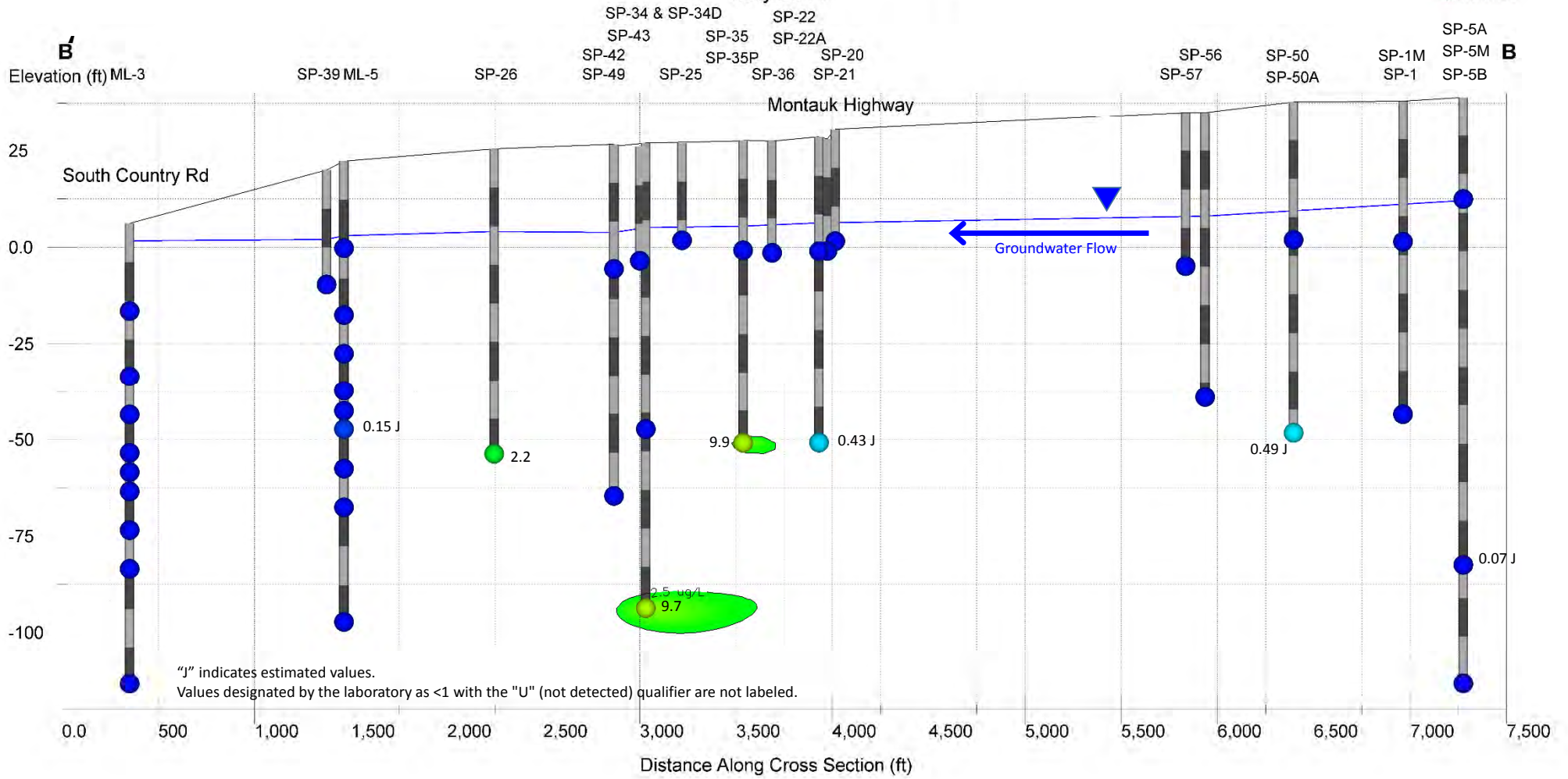


Figure 21

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Tetrachloroethene Cross Section B-B'



ENVIRONMENTAL
 ASSESSMENT &
 REMEDIATIONS

July 2014

SP-34 & SP-34D SP-22
 SP-43 SP-35 SP-22A
 SP-42 SP-35P SP-20
 SP-49 SP-25 SP-36 SP-21

SP-56 SP-50 SP-1M SP-5A
 SP-57 SP-50A SP-1 SP-5M
 SP-5B

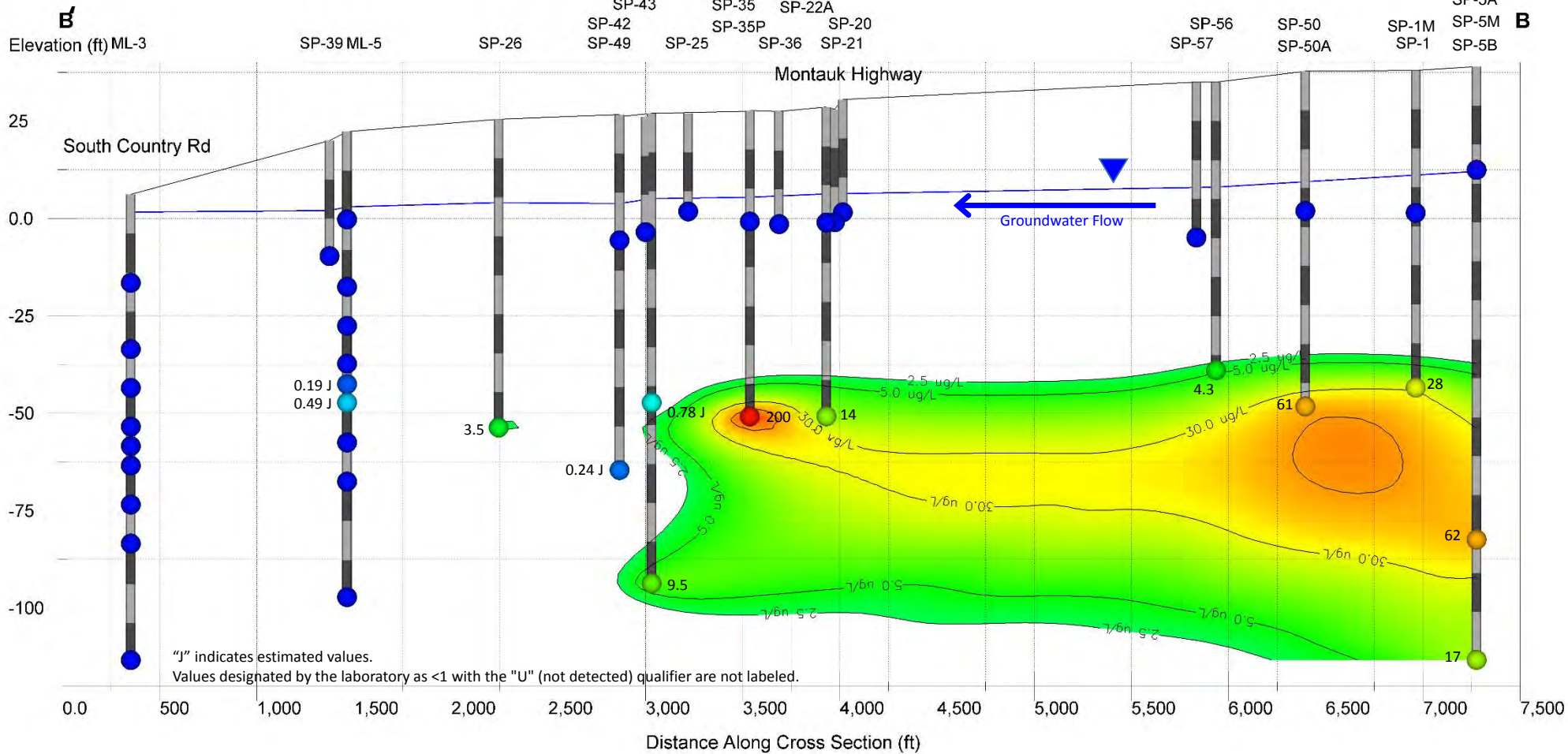


Figure 22

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Trichloroethylene Cross Section B-B'



ENVIRONMENTAL
 ASSESSMENT &
 REMEDIATION

July 2014

SP-34 & SP-34D SP-22
 SP-43 SP-35 SP-22A
 SP-42 SP-35P SP-20
 SP-49 SP-25 SP-36 SP-21

SP-56 SP-50 SP-1M SP-5A
 SP-57 SP-50A SP-1 SP-5M
 SP-5B

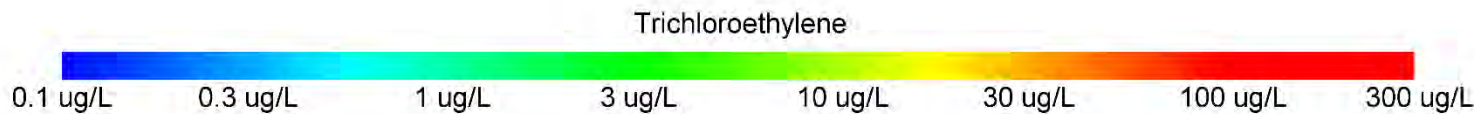
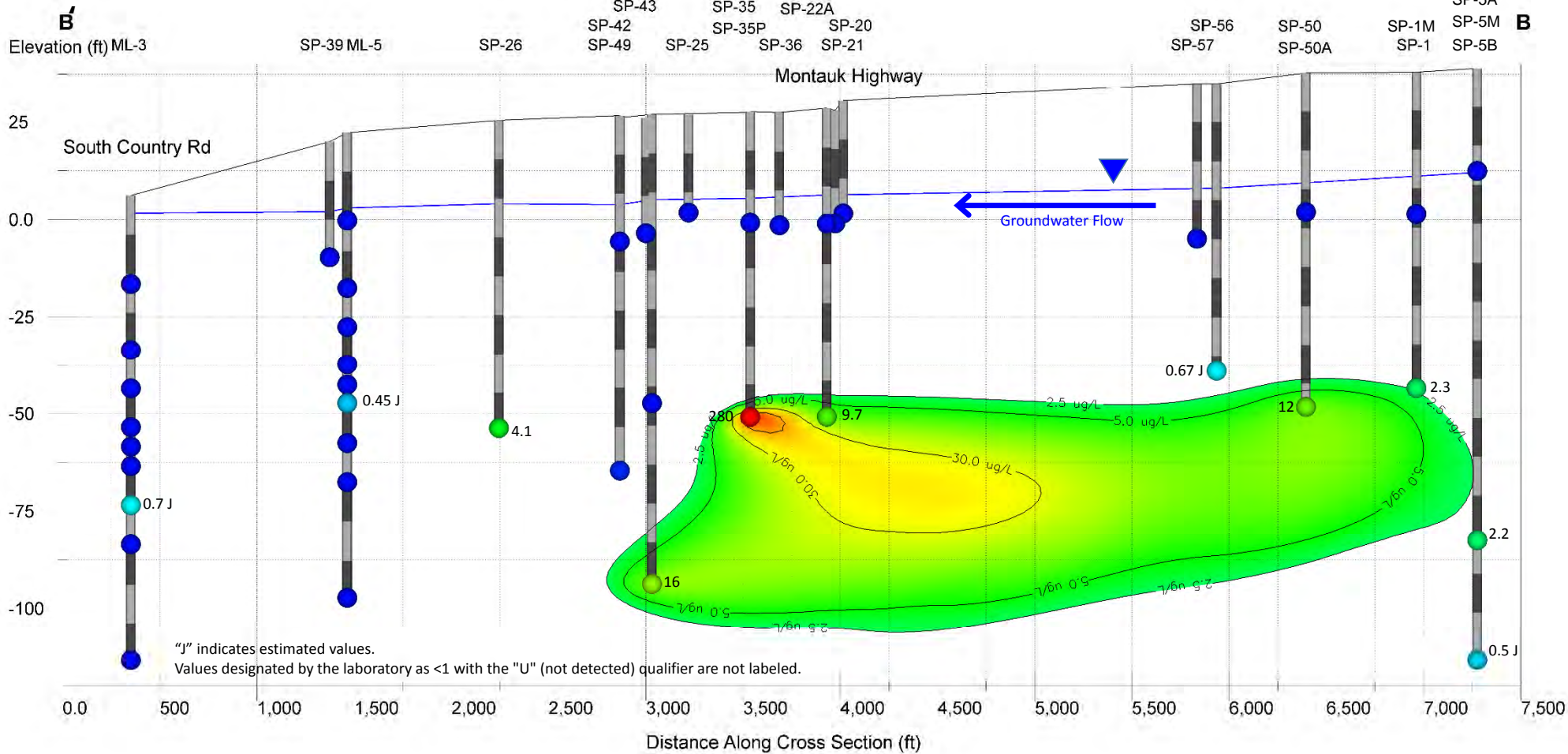


Figure 23

Speonk Solvent Plume
 NYSDEC Site No. 152185
 Chloroform Cross Section B-B'

July 2014



ENVIRONMENTAL
 ASSESSMENT &
 REMEDIATION

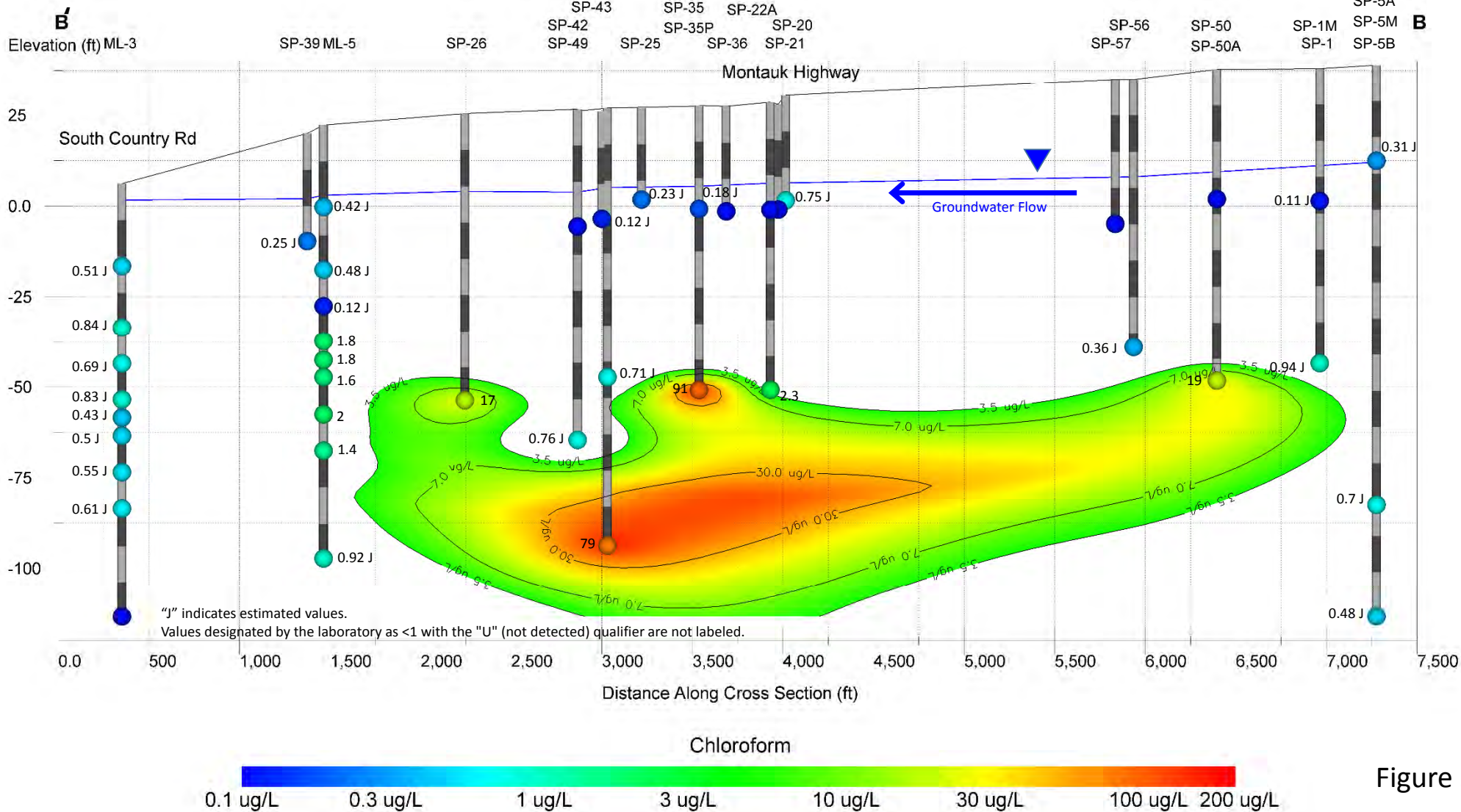


Figure 24

Appendix A



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Installation Date 5/30/14

Page 1 of 2

DRILLING LOG - Multi-Level Well Installation

DRILLING DETAILS	WELL CONSTRUCTION
PROJECT/SITE NAME <u>DEC-SPEONK185</u>	CENTRAL RISER CASING
SITE ADDRESS <u>Speonk Solvent Plume</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Length <u>89'</u>
<u>North Phillips Avenue</u>	
<u>Speonk, NY</u>	CENTRAL RISER SCREEN
SITE NUMBER <u>152185</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Slot <u>0.02"</u> Length <u>1'</u>
WELL I.D. <u>ML-1</u>	GRAVEL PACK <u>Native Fill (0'-3.5' & 4.5'-90' BGS)</u>
DRILLING METHOD <u>Hollow Stem Auger</u>	CASING SEAL <u>Bentonite Seal (hydrated pellets) (3.5-4'.5 BGS)</u>
DRILLING COMPANY <u>Clearwater Drilling, Inc.</u>	SECURITY <u>Dome Caps and 12"x12" Steel, Bolt Down</u>
HEAD DRILLER <u>D. Vigliotta</u>	<u>Manhole Cover</u>
LOGGED BY <u>J. Lohan</u>	FINISH <u>Concrete Pad</u>
BOREHOLE DIAMETER <u>7.5"</u>	COMMENTS <u>ML-1 is 38.1 SW of hydrant on N side of</u>
SAMPLE METHOD <u>Auger Cuttings (AC)</u>	<u>Dock Rd, 92.9' W of storm drain on S side of</u>
DEPTH-TO-WATER <u>19.59</u>	<u>Dock Rd, and 98.8' E of water meter on S side</u>
TOTAL WELL DEPTH <u>90'</u>	<u>of Dock Rd (house #28).</u>

Depth Below Grade	Well Design	Soil Lithology/Field Observations			
		Depth	Description/Classification	Sample Type	Screening Interval PID Reading
		0'-5'	Light brown medium sand, some fine sand; dry, no odor.	Post Hole/AC	0'-5' 0.0 ppm
		5'-10'	Light brown medium sand, some fine sand, little coarse sand; dry, no odor.	AC	5'-10' 0.0 ppm
		10'-15'	Light brown medium sand, some fine sand; dry, no odor.	AC	10'-15' 0.0 ppm
19.59'		15'-20'	Tan medium sand, some fine sand, trace coarse sand; moist, no odor.	AC	15'-20' 0.0 ppm
		20'-35'	Tan medium sand, some fine sand; moist, no odor.	AC	20'-25' 0.0 ppm
				AC	25'-30' 0.0 ppm
				AC	30'-35' 0.0 ppm
		35'-40'	Tan medium sand, some fine sand, trace coarse sand; moist, no odor.	AC	35'-40' 0.0 ppm
		40'-60'	Tan medium sand, some fine sand; moist, no odor.	AC	40'-45' 0.0 ppm
				AC	45'-50' 0.0 ppm
				AC	50'-55' 0.0 ppm
				AC	55'-60' 0.0 ppm
		60'-65'	Tan medium sand, some fine sand, trace coarse sand; moist, no odor.	AC	60'-65' 0.0 ppm
TWD 90'		65'-75'	Tan medium sand, some fine sand; wet, no odor.	AC	65'-70' 0.0 ppm
	AC			70'-75' 0.0 ppm	
	Not to scale	75'-80'	Tan medium sand, some fine sand, trace coarse sand; wet, no odor.	AC	75'-80' 0.0 ppm

Backfill Bentonite "Trace", 1 - 10% "Some", 20 - 30%
 "Little", 10 - 20% "And", 30 - 50%



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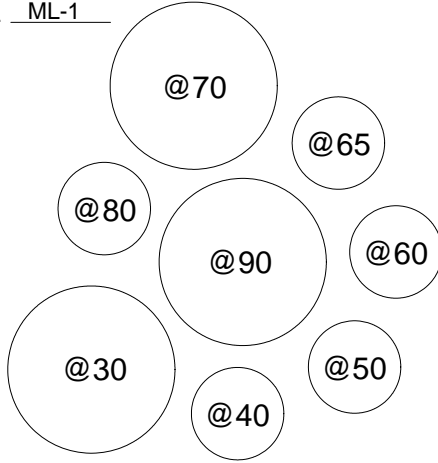
Installation Date 5/30/14

Page 2 of 2

DRILLING LOG - Multi-Level Well Installation

PLAN VIEW

WELL I.D. ML-1



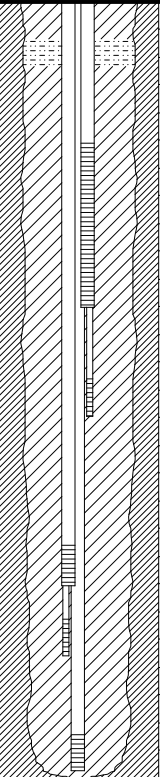
Not to scale

PIEZOMETER DETAILS

6 - 0.5" diameter and 3 - 1.0" diameter with 1' - 0.020" screened section, except where range is noted.

Piezometer	Depth below grade	diameter
@30	15'-30'	1.0"
@40	40'	0.5"
@50	50'	0.5"
@60	60'	0.5"
@65	65'	0.5"
@70	70'	1.0"
@80	80'	0.5"
@90	90'	1.0"

Depth Below Grade	Well Design	Soil Lithology/Field Observations			
		Depth	Description/Classification	Sample Type	Screening Interval PID Reading
		80'-85'	Tan medium sand, some fine sand; wet, no odor.	AC	80'-85' 0.0 ppm
		85'-90'	Tan fine and medium sand; wet, no odor.	AC	85'-90' 0.0 ppm
		90'-100'	Tan fine sand, some medium sand; wet, no odor. Driller observed an increase in resistance at ~95'	AC	90'-95' 0.0 ppm
19.59'		100'-105'	Tan fine sand, some medium sand, trace coarse sand; wet, no odor.	AC	95'-100' 0.0 ppm
		105'-110'	Tan fine sand, some medium sand; wet, no odor.	AC	100'-105' 0.0 ppm
		110'-115'	Refusal at ~111'. Boring collapse 110'-98', Bentonite seal placed 98'-95.5', and backfilled with native from 95.5'-90'.	None	105'-110' 0.0 ppm
			Note: Clay was encountered on last 20-25 feet of augers.		
TWD 90'					



Not to scale

Backfill

Bentonite

"Trace", 1 - 10%
"Little", 10 - 20%

"Some", 20 - 30%
"And", 30 - 50%



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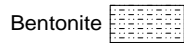
Installation Date 5/29/14

Page 1 of 2

DRILLING LOG - Multi-Level Well Installation

DRILLING DETAILS	WELL CONSTRUCTION
PROJECT/SITE NAME <u>DEC-SPEONK185</u>	CENTRAL RISER CASING
SITE ADDRESS <u>Speonk Solvent Plume</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Length <u>119'</u>
<u>North Phillips Avenue</u>	
<u>Speonk, NY</u>	CENTRAL RISER SCREEN
SITE NUMBER <u>152185</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Slot <u>0.02"</u> Length <u>1'</u>
WELL I.D. <u>ML-2</u>	GRAVEL PACK <u>Native Fill (0'-2' & 4'-120' BGS)</u>
DRILLING METHOD <u>Hollow Stem Auger</u>	CASING SEAL <u>Bentonite Seal (hydrated pellets) (2-4' BGS)</u>
DRILLING COMPANY <u>Clearwater Drilling, Inc.</u>	SECURITY <u>Dome Caps and 12"x12" Steel, Bolt Down</u>
HEAD DRILLER <u>D. Vigliotta</u>	<u>Manhole Cover</u>
LOGGED BY <u>J. Lohan</u>	FINISH <u>Concrete Pad</u>
BOREHOLE DIAMETER <u>7.5"</u>	COMMENTS <u>ML-2 is 40.2' SE of storm drain on E side of</u>
SAMPLE METHOD <u>Auger Cuttings (AC)</u>	<u>S County Rd, 101.2' S SE of rectangular</u>
DEPTH-TO-WATER <u>2.97'</u>	<u>storm drain on W side of Claypit Rd, and 62.2'</u>
TOTAL WELL DEPTH <u>120'</u>	<u>NW of utility pole on corner of Claypit &</u>
	<u>S County Rds.</u>

Depth Below Grade	Well Design	Soil Lithology/Field Observations				
		Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
2.97'		0'-5'	Light brown medium sand, little coarse sand; moist, no odor.	Post Hole/AC	0'-5'	0.0 ppm
		5'-20'	Tan medium sand, some fine sand, trace coarse sand; wet, no odor.	AC	5'-10'	0.1 ppm
				AC	10'-15'	0.0 ppm
				AC	15'-20'	0.0 ppm
		20'-45'	Tan fine sand, some medium sand, little coarse sand; wet, no odor.	AC	20'-25'	0.1 ppm
				AC	25'-30'	0.0 ppm
				AC	30'-35'	0.0 ppm
				AC	35'-40'	0.0 ppm
				AC	40'-45'	0.0 ppm
		45'-50'	Tan fine sand, some medium sand, trace coarse sand; wet, no odor.	AC	45'-50'	0.0 ppm
		50'-55'	Tan fine sand, some medium sand, some coarse sand; wet, no odor.	AC	50'-55'	0.0 ppm
		55'-60'	Tan fine sand, some medium sand, little coarse sand; wet, no odor.	AC	55'-60'	0.0 ppm
		60'-70'	Tan fine sand, little medium sand, trace coarse sand; wet, no odor.	AC	60'-65'	0.0 ppm
				AC	65'-70'	0.0 ppm
	70'-75'	Tan fine sand, some medium sand, trace coarse sand; wet, no odor.	AC	70'-75'	0.0 ppm	
TWD 120'	75'-80'	Tan fine sand, little medium sand, trace coarse sand; wet, no odor.	AC	75'-80'	0.0 ppm	
	Not to scale					



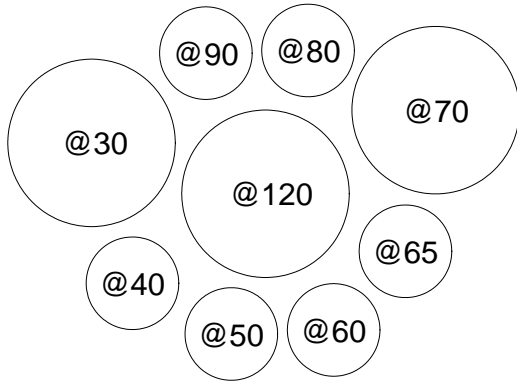
"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%



DRILLING LOG - Multi-Level Well Installation

PLAN VIEW

WELL I.D. ML-2



Not to scale

PIEZOMETER DETAILS

6 - 0.5" diameter and 3 - 1.0" diameter with 1' - 0.020" screened section, except where range is noted.

Piezometer	Depth below grade	diameter
@30	15'-30'	1.0"
@40	40'	0.5"
@50	50'	0.5"
@60	60'	0.5"
@65	65'	0.5"
@70	70'	1.0"
@80	80'	0.5"
@90	90'	0.5"
@120	120'	1.0"

Depth Below Grade	Well Design	Soil Lithology/Field Observations				
		Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
2.97'		80'-90'	Tan fine sand, some medium sand, trace coarse sand; wet, no odor.	AC	80'-85'	0.0 ppm
				AC	85'-90'	0.0 ppm
		90'-110'	Tan fine sand, some medium sand; wet, no odor.	AC	90'-95'	0.0 ppm
				AC	95'-100'	0.0 ppm
				AC	100'-105'	0.0 ppm
				AC	105'-110'	0.0 ppm
		110'-120'	Tan fine sand, some medium sand, trace coarse sand; wet, no odor.	AC	110'-115'	0.0 ppm
				AC	115'-120'	0.0 ppm
TWD 120'						

Not to scale

Backfill

Bentonite

"Trace", 1 - 10%

"Some", 20 - 30%

"Little", 10 - 20%

"And", 30 - 50%



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Installation Date 5/28/14

Page 1 of 2

DRILLING LOG - Multi-Level Well Installation

DRILLING DETAILS	WELL CONSTRUCTION
PROJECT/SITE NAME <u>DEC-SPEONK185</u>	CENTRAL RISER CASING
SITE ADDRESS <u>Speonk Solvent Plume</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Length <u>119'</u>
<u>North Phillips Avenue</u>	
<u>Speonk, NY</u>	CENTRAL RISER SCREEN
SITE NUMBER <u>152185</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Slot <u>0.02"</u> Length <u>1'</u>
WELL I.D. <u>ML-3</u>	GRAVEL PACK <u>Native Fill (0'-2' & 4'-120' BGS)</u>
DRILLING METHOD <u>Hollow Stem Auger</u>	CASING SEAL <u>Bentonite Seal (hydrated pellets) (2-4' BGS)</u>
DRILLING COMPANY <u>Clearwater Drilling, Inc.</u>	SECURITY <u>Dome Caps and 12"x12" Steel, Bolt Down</u>
HEAD DRILLER <u>D. Vigliotta</u>	<u>Manhole Cover</u>
LOGGED BY <u>J. Lohan</u>	FINISH <u>Concrete Pad</u>
BOREHOLE DIAMETER <u>7.5"</u>	COMMENTS <u>ML-3 is 119.6' W of hydrant on E corner of</u>
SAMPLE METHOD <u>Auger Cuttings (AC)</u>	<u>Bridle path & S County Rd, 64.1' NW of E</u>
DEPTH-TO-WATER <u>15'</u>	<u>Utilitypole on S side of Bridle Path, and 72.2'</u>
TOTAL WELL DEPTH <u>120'</u>	<u>NE of W utility pole on S side of Bridle Path.</u>

Depth Below Grade	Well Design	Soil Lithology/Field Observations			
		Depth	Description/Classification	Sample Type	Screening Interval PID Reading
		0'-5'	Light brown medium sand, little coarse sand; moist, no odor.	Post Hole/AC	0'-5' 0.0 ppm
		5'-10'	Tan fine sand, some medium sand, trace coarse sand; wet, no odor.	AC	5'-10' 0.0 ppm
		10'-15'	Tan fine and medium sand, little coarse sand, trace fine gravel, wet, no odor.	AC	10'-15' 0.0 ppm
		15'-25'	Tan medium sand, some fine sand, little coarse sand, trace fine gravel; wet, no odor.	AC	15'-20' 0.0 ppm
				AC	20'-25' 0.1 ppm
		25'-30'	Tan medium sand, some fine sand, some coarse sand; wet, no odor.	AC	25'-30' 0.0 ppm
		30'-50'	Tan medium sand, some fine sand, little coarse sand, trace fine gravel; wet, no odor.	AC	30'-35' 0.0 ppm
				AC	35'-40' 0.0 ppm
				AC	40'-45' 0.0 ppm
				AC	45'-50' 0.0 ppm
		50'-70'	Tan fine sand, some medium sand, little coarse sand; wet, no odor.	AC	50'-55' 0.0 ppm
				AC	55'-60' 0.0 ppm
				AC	60'-65' 0.0 ppm
				AC	65'-70' 0.0 ppm
	70'-80'	Tan fine sand, little medium sand; wet, no odor.	AC	70'-75' 0.0 ppm	
			AC	75'-80' 0.0 ppm	
TWD 120'					

Backfill

Bentonite

"Trace", 1 - 10%

"Some", 20 - 30%

"Little", 10 - 20%

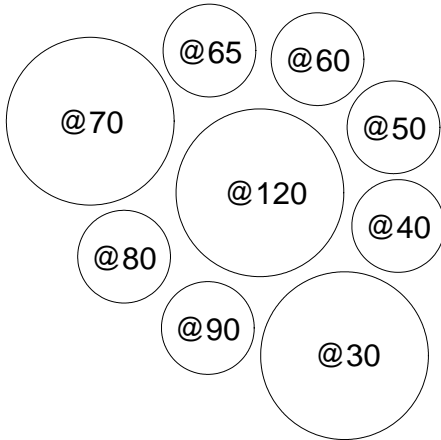
"And", 30 - 50%



DRILLING LOG - Multi-Level Well Installation

PLAN VIEW

WELL I.D. ML-3



Not to scale

PIEZOMETER DETAILS

6 - 0.5" diameter and 3 - 1.0" diameter with 1' - 0.020" screened section, except where range is noted.

Piezometer	Depth below grade	diameter
@30	15'-30'	1.0"
@40	40'	0.5"
@50	50'	0.5"
@60	60'	0.5"
@65	65'	0.5"
@70	70'	1.0"
@80	80'	0.5"
@90	90'	0.5"
@120	120'	1.0"

Depth Below Grade	Well Design	Soil Lithology/Field Observations					
		Depth	Description/Classification	Sample Type	Screening Interval PID Reading		
<p style="text-align: center;">Not to scale</p>		80'-90'	Tan fine sand, trace medium sand, trace coarse sand; wet, no odor. Driller encountered increase in resistance and ~82' for about 1'.	AC AC	80'-85' 85'-90'	0.0 ppm 0.0 ppm	
		90'-95'	Tan fine sand, trace medium sand; wet, no odor.	AC	90'-95'	0.0 ppm	
		95'-100'	Tan fine sand, trace medium sand, trace coarse sand; wet, no odor.	AC	95'-100'	0.0 ppm	
		100'-105'	Tan fine sand, trace medium sand; wet, no odor.	AC	100'-105'	0.0 ppm	
		105'-120'	Tan fine sand, trace medium sand, trace coarse sand; wet, no odor.	AC AC AC	105'-110' 110'-115' 115'-120'	0.0 ppm 0.0 ppm 0.0 ppm	
		Note: Clay encountered on lead auger at ~119'.					

Backfill

Bentonite

"Trace", 1 - 10%

"Some", 20 - 30%

"Little", 10 - 20%

"And", 30 - 50%



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Installation Date 11/19/13

Page 1 of 2

DRILLING LOG - Multi-Level Well Installation

DRILLING DETAILS	WELL CONSTRUCTION
PROJECT/SITE NAME <u>DEC-SPEONK185</u>	CENTRAL RISER CASING
SITE ADDRESS <u>Speonk Solvent Plume</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Length <u>119'</u>
<u>North Phillips Avenue</u>	
<u>Speonk, NY</u>	CENTRAL RISER SCREEN
SITE NUMBER <u>152185</u>	Type <u>PVC</u> Diameter <u>1.0"</u> Slot <u>0.02"</u> Length <u>1'</u>
WELL I.D. <u>ML-5</u>	GRAVEL PACK <u>Native Fill (0'-3' & 5'-120' BGS)</u>
DRILLING METHOD <u>Hollow Stem Auger</u>	CASING SEAL <u>Bentonite Seal (hydrated pellets) (3'-5' BGS)</u>
DRILLING COMPANY <u>Clearwater Drilling, Inc.</u>	SECURITY <u>Dome Caps and 12"x12" Steel, Bolt Down</u>
HEAD DRILLER <u>D. Vigliotta</u>	<u>Manhole Cover</u>
LOGGED BY <u>S. Goetz</u>	FINISH <u>Concrete Pad</u>
BOREHOLE DIAMETER <u>7.5"</u>	COMMENTS <u>ML-5 is 3.2' S of S curb (Horse Shoe Ln),</u>
SAMPLE METHOD <u>Auger Cuttings (AC)</u>	<u>37.5' S of N curb (Horse Shoe Ln), and</u>
DEPTH-TO-WATER <u>20.10'</u>	<u>28' ESE of SW corner of dead end.</u>
TOTAL WELL DEPTH <u>120'</u>	

Depth Below Grade	Well Design	Soil Lithology/Field Observations				
		Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
		0'-5'	Light brown medium sand, little coarse sand; moist, no odor.	Post Hole/AC	0'-5'	0.0 ppm
		5'-10'	Light brown medium sand, little coarse sand, trace fine gravel; moist, no odor.	AC	5'-10'	0.0 ppm
		10'-15'	Tan medium sand, little fine sand, little coarse sand, trace fine gravel; moist, no odor.	AC	10'-15'	0.0 ppm
20.10'		15'-20'	Tan medium sand, little fine sand, little coarse sand; moist, no odor.	AC	15'-20'	0.0 ppm
		20'-25'	Light brown medium sand, some fine sand, little coarse sand; moist, no odor.	AC	20'-25'	0.0 ppm
		25'-35'	Tan medium sand, some fine sand, little coarse sand; moist, no odor.	AC	25'-30'	0.0 ppm
				AC	30'-35'	0.0 ppm
		35'-65'	Tan medium sand, some coarse sand, little fine sand; moist, no odor.	AC	35'-40'	0.0 ppm
				AC	40'-45'	0.0 ppm
				AC	45'-50'	0.0 ppm
				AC	50'-55'	0.0 ppm
				AC	55'-60'	0.0 ppm
			60'-65'	0.0 ppm		
		65'-70'	Tan medium sand and coarse sand, trace fine sand; moist, no odor.	AC	65'-70'	0.0 ppm
	70'-80'	Tan medium sand, some coarse sand, little fine sand; moist, no odor.	AC	70'-75'	0.0 ppm	
TWD 120'			AC	75'-80'	0.0 ppm	

Backfill Bentonite

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%



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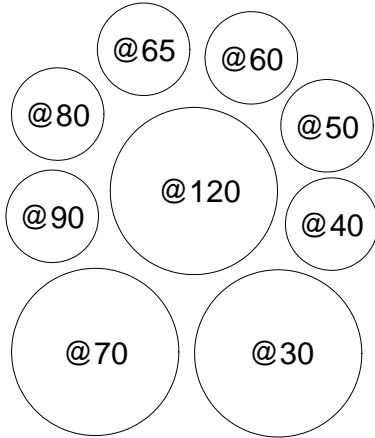
Installation Date 11/19/13

Page 2 of 2

DRILLING LOG - Multi-Level Well Installation

PLAN VIEW

WELL I.D. ML-5



Not to scale

PIEZOMETER DETAILS

6 - 0.5" diameter and 3 - 1.0" diameter with 1' - 0.020" screened section, except where range is noted.

Piezometer	Depth below grade	diameter
@30	15'-30'	1.0"
@40	40'	0.5"
@50	50'	0.5"
@60	60'	0.5"
@65	65'	0.5"
@70	70'	1.0"
@80	80'	0.5"
@90	90'	0.5"
@120	120'	1.0"

Depth Below Grade	Well Design	Soil Lithology/Field Observations					
		Depth	Description/Classification	Sample Type	Screening Interval	PID Reading	
	<p style="text-align: center;">Not to scale</p>	80'-105'	Tan medium sand, some coarse sand, little fine sand; wet, no odor.	AC	80'-85'	0.0 ppm	
				AC	85'-90'	0.0 ppm	
					AC	90'-95'	0.0 ppm
					AC	95'-100'	0.0 ppm
					AC	100'-105'	0.0 ppm
20.10'			105'-110'	Tan medium sand, some fine sand, little coarse sand; wet, no odor.	AC	105'-110'	0.0 ppm
			110'-120'	Tan fine sand and medium sand, little coarse sand; wet, no odor.	AC	110'-115'	0.0 ppm
					AC	115'-120'	0.0 ppm
TWD 120'							

Backfill

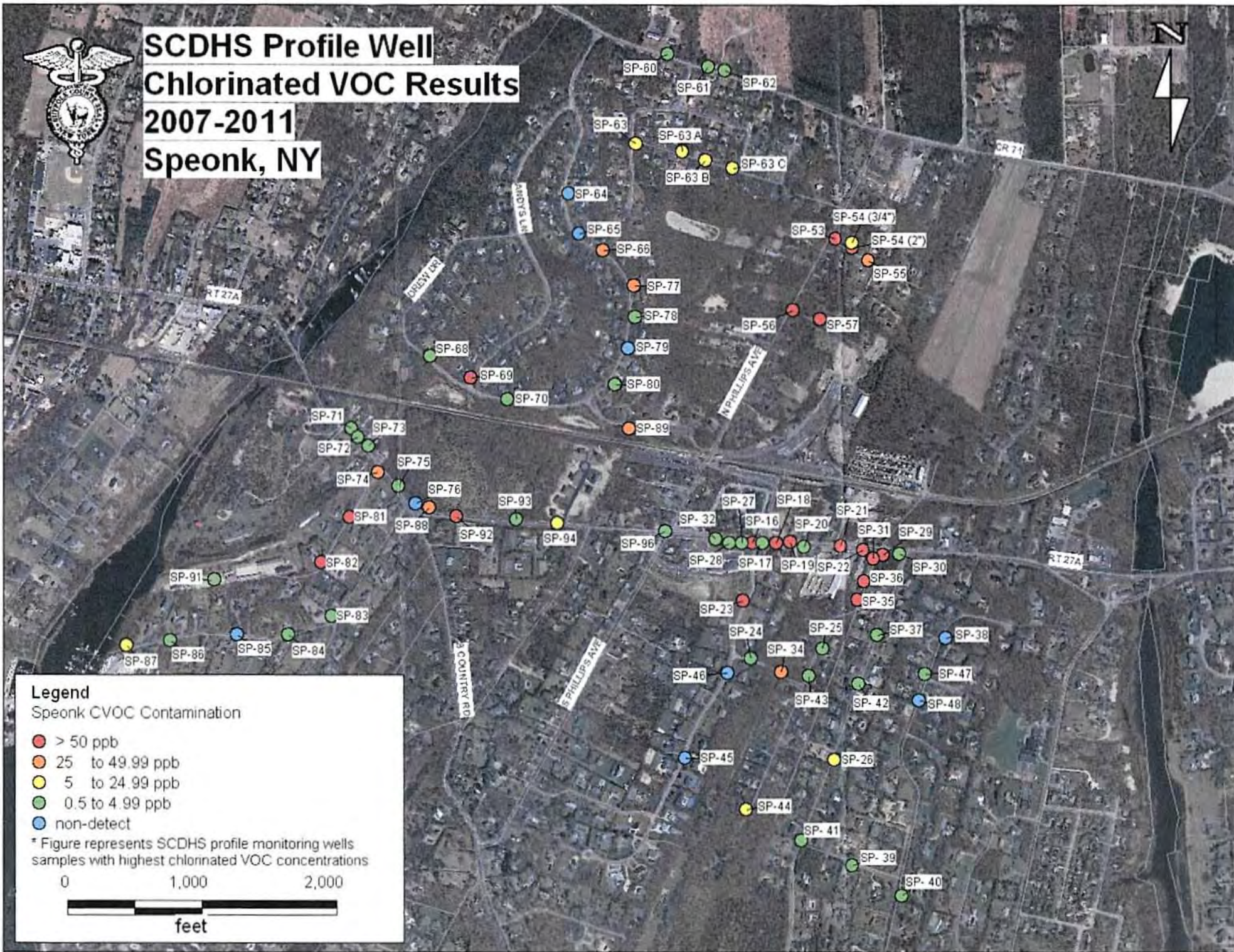
Bentonite

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

Appendix B



SCDHS Profile Well Chlorinated VOC Results 2007-2011 Speonk, NY



Legend
Speonk CVOC Contamination

- > 50 ppb
- 25 to 49.99 ppb
- 5 to 24.99 ppb
- 0.5 to 4.99 ppb
- non-detect

* Figure represents SCDHS profile monitoring wells samples with highest chlorinated VOC concentrations

0 1,000 2,000
feet

Speonk
Profile Wells

Well Information		Field Parameters								VOC's																		Metals						Inorganics				Coordinates																															
Monitoring Well ID	Location	Sample Date	Chlorinated Voc total/ screen	Chlorinated Voc total/ well	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,2,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	Freon 113	m,P-Dichlorobenzene	1,2-Dichlorobenzene (o)	Benzene	Toluene	Dimethyldisulfide	Chlorobenzene	Total Xylene	n-Propane	tert-Amyl-Methyl-Ether	n-Butane	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Ammonia mg/L	Nitrate mg/L	North	West																						
SP-56	Windemere Ct.	5/11/09	1.4	1091	25.86	7.3	13.5	5.12	135	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	1.4	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	40.82442	-72.70150																			
		5/11/09	0.5		25.86	8.06	13.5	5.79	109	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	12			<.01	<.02	0.8																
		5/11/09	2.4		25.86	9.89	13.5	5.51	82	<.5	1.3	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	1.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			<.5	15	<.01	<.02	<.2														
		5/11/09	7.5		25.86	10.03	13.5	5.31	48.1	<.5	1.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	5.4	1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			<.5	<.5	8	<.01	<.02	<.2													
		5/11/09	150.1		25.86	7.17	13.2	5.97	52.7	<.5	2.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	127	21.0	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			<.5	8	<.01	<.02	0.5														
		5/11/09	929.1		25.86	0.93	13	6.28	85	15	82	0.7	13	<.5	4.5	1.9	0.7	1.7	490	314	5.6	<.5	0.6	1.2	3	<.5	<.5	0.6	1.7	<.5	<.5	<.5	<.5	<.5	8.2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			<.5	<.5	<.5	<.5	11	<.01	<.02	1.2											
SP-57	Windemere Ct.	5/12/09	0.8	1697.6	25.44	6.76	13.1	5.71	53	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.8	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	14	<.01	<.02	0.4	40.82418	-72.70074															
		5/12/09	0.8		25.44	6.58	13.2	5.25	181	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.8	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			<.5	45	<.01	<.02	1.1										
		5/12/09	1.5		25.44	5.12	13.6	5.52	181	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	1.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			10	<.01	<.02	6.6											
		5/12/09	7.2		25.44	7.2	13.6	5.97	111	<.5	1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	5.4	0.8	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			3	<.01	<.02	2.4											
		5/12/09	152.5		25.44	7.88	13.6	6.13	49	<.5	1.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	136	15	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			3	<.01	<.02	0.2											
		5/12/09	1534.8		25.44	0.86	13.1	6.53	67.4	5.7	78	<.5	14.0	<.5	<.5	<.5	1.2	1.6	2.1	905	521	6.2	<.5	<.5	0.9	<.5	<.5	<.5	<.5	0.7	<.5	<.5	<.5	<.5	<.5	1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			<.5	<.5	<.5	2	<.01	<.02	<.2								
SP-60	Old Country Road	4/13/10	0	0.7	26.85	6.91	11.8	6.32	105	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.83	89	<.01	<.02	2	133	1	10	<.01	<.02	<.5	40.83019	-72.70509							
		4/13/10	0		26.85	5.61	12	6.3	79.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	2.21	165	<.01	<.02	2	122	1			11	<.01	0.03	0.5			
		4/13/10	0		26.85	5.4	12	6.53	40.7	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	1.9	131	<.01	<.02	2	265			9	<.02	<.4	<.02	<.2		
		4/13/10	0		26.85	6.78	11.8	6.41	62.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.1	11	<.01	<.02	<.1			7	<.01	7	<.01	<.02	1.9	
		4/13/10	0		26.85	4.37	11.6	6.37	137	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.16	482	<.01	<.02			1	21	1	30	<.01	<.02	1.5
		4/13/10	0.7		26.85	4.50	11.5	6.85	134	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.7	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			0.58	21	<.01	<.02	1	49	2

* Indicates trace amounts present
 NA- not analyze/ not available
 P- pending lab results
 All quantities are in ppb unless otherwise specified

Speonk
Profile Wells

Well Information			Field Parameters							VOCs																		Metals							Inorganics				Coordinates									
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Chlorinated Voc total/ screen	Chlorinated Voc total/ well	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,2,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	Freon 113	m,P-Dichlorobenzene	1,2-Dichlorobenzene (o)	Benzene	Toluene	Dimethylsulfide	Chlorobenzene	Total Xylene	n-Propane	tert-Amyl-Methyl-Ether	n-Butane	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Ammonia mg/L	Nitrate mg/L	North	West
											<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-63 A	30-35	30 Howell Place	11/23/10	0	24.2	27.2	6.44	13.8	5.72	214	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	64	<1	<50	<1	153	<1	21	<0.1	NA	2.4	40.82800	-72.70474			
	40-45		11/23/10	0		27.2	6.70	12.9	6.12	87	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	11	<1	<50	<1	17	<1	9	<0.1	NA			0.8		
	50-55		11/23/10	0		27.2	8.30	12.6	5.7	33	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	9	<1	<50	<1	6	<1	5	<0.1	NA			<0.5		
	60-65		11/23/10	1.1		27.2	7.60	12.6	5.72	43	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	18	<1	<50	<1	72	<1	6	<0.1	NA			<0.5		
	70-75		11/22/10	0		27.4	4.90	12.3	6.02	49	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	16	<1	<50	<1	7	<1	7	<0.1	NA			<0.5		
	80-85		11/22/10	9.5		27.4	8.00	12.5	6.16	72	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.8	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	0.1	17	<1	<50	<1	71	<1	<15	<0.3			NA	<1.5	
	90-95		11/22/10	9.1		27.4	5.40	12	6.71	56	<0.5	4.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	0.43	21	<1	<50	<1	376	2	<50	<1.0	NA	<5					
	100-105		10/28/10	3.7		27	7.09	12.5	6.44	54	<0.5	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	0.13	16	<1	<50	<1	39	2	6	<0.1	NA			<0.5		
	110-115		10/28/10	0.8		27	1.68	12.4	6.64	58	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	0.32	40	<1	<50	<1	150	1	<5	<0.1	NA	<0.5					
SP-63 B	30-35	34 Howell Place	10/28/10	0	33.7	25	6.65	14.5	5.48	72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	0.11	58	<1	<50	<1	55	<1	14	<0.1	NA	0.9	40.82783	-72.70405			
	40-45		10/28/10	0		25	6.78	13.5	5.56	194	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	16	<1	<50	<1	14	<1	24	<0.1	NA	2.4					
	50-55		10/28/10	0		25	9.13	13.2	6.11	67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	49	<1	<50	<1	11	<1	12	<0.1	NA	0.6					
	60-65		10/26/10	1		25	NA	12.7	5.96	42	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	50	<1	<50	<1	23	<1	6	<0.1	NA	<0.5					
	70-75		10/26/10	0		25	NA	12.7	6.09	44	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	72	<1	<50	<1	6	<1	7	<0.1	NA	<0.5					
	80-85		10/26/10	10.9		25	NA	12.4	6.34	66	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	36	<1	<50	<1	11	<1	8	<0.1	NA	0.5					
	90-95		10/25/10	15.1		25	8.98	12.3	6.55	56	<0.5	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.5	6.1	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	18	<1	<50	2	19	2	7	<0.1	NA			<0.5		
	100-105		10/25/10	5.5		25	2.55	12.2	6.75	52	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.7	2.7	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	0.11	7	<1	<50	<1	55	<1	<5	<0.1	NA			<0.5		
	110-115		10/25/10	1.2		25	1.43	12	6.76	57	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.1	9	<1	<50	<1	8	<1	5	<0.1	NA	<0.5					

* Indicates trace amounts present
NA- not analyze/ not available
P- pending lab results
All quantities are in ppb unless otherwise specified

Speonk
Profile Wells

Well Information			Field Parameters							VOCs																	Metals						Inorganics				Coordinates																
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Chlorinated Voc total/ screen	Chlorinated Voc total/ well	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,2,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	Freon 113	m,P-Dichlorobenzene	1,2-Dichlorobenzene (o)	Benzene	Toluene	Dimethylsulfide	Chlorobenzene	Total Xylene	n-Propane	tert-Amyl-Methyl-Ether	n-Butane	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Ammonia mg/L	Nitrate mg/L	North	West					
SP-74	25-30	Montauk Highway, Speonk	3/16/10	0.7	30.1	20.25	7.71	11.4	7.8	64	<.5	0.7	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	40.82091	-72.71391						
	35-40		3/11/10	1.7		20.5	4.94	11.9	5.81	249	<.5	1.7	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	45-50		3/11/10	0		20.5	6.45	11.9	5.8	188	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
	55-60		3/11/10	0		20.5	4.69	11.9	6.38	183	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
	65-70		3/11/10	0		20.5	6.63	11.8	6.6	92	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
	75-80		3/11/10	27.7		20.5	7.04	11.7	7.63	57	3.9	8.9	<.5	6.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
SP-74D	90-95	Montauk Highway, Speonk	11/18/10	1.1	1.1	21.7	1.38	13.1	6.62	69	<.5	1.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	100-105		11/18/10	0		21.7	1.52	16.9	6.52	66	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	110-115		11/18/10	0		21.7	1.26	13	7.02	71	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
SP-75	25-30	Montauk Highway, Speonk	3/25/10	0	1.4	23.38	5.73	11.5	6.53	39	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
	35-40		3/16/10	0.6		23.6	5.43	11.8	3.5	195	<.5	0.6	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	45-50		3/16/10	0.8		23.6	5.85	11.7	4.5	244	<.5	0.8	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
	55-60		3/16/10	0		23.6	6.74	11.8	5.65	277	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
	65-70		3/16/10	0		23.6	7.34	11.7	5.71	209	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	75-80		3/16/10	0		23.6	7.56	11.7	6.41	66	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
SP-76	25-30	Docks Road	3/24/10	0	0	24.78	6.93	11.4	4.01	107	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	35-40		3/24/10	0		24.78	6.04	11.7	3.89	138	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5				
	45-50		3/24/10	0		24.78	NA	NA	NA	NA	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5				
	55-60		3/24/10	0		24.78	7.7	11.7	5.99	122	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	65-70		3/24/10	0		24.78	7.32	11.6	5.8	86	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			
	75-80		3/24/10	0		24.78	7.24	11.7	8.36	65	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5			

* Indicates trace amounts present
 NA- not analyze/ not available
 P- pending lab results
 All quantities are in ppb unless otherwise specified

Speonk
Permanent Wells

Well Information			Field Parameters							VOC'S																	Metals						Inorganics			Coordinates												
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2- Tetrachloroethane	1,1,1,2- Tetrachloroethane		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene		1,3- Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2- Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West	
SP-1M	25-35	E. Dead End Circle Place	8/19/08	0	23.46	5.9	18	5.7	134	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	8	<1	<50	6	41	<1	9	<1	3.5	40.82724	-72.70163	
			1/26/09	0	22.47	7.6	10	6.6	129	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	3	<1	<50	3	20	1	7	<1	0.7	40.82724	-72.70163	
SP-1	70-75	E. Dead End Circle Place	8/19/08	67.9	23.57	10	14	6.1	80	0.6	2.1	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		57	8.2	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	11	<1	<50	<1	7	2	11	<1	1	40.82724	-72.70163	
			1/26/09	44.8	22.72	8.8	11	6.4	890	<0.5	1.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		39	4.3	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	28	<1	<50	3	538	13	12	<1	1	40.82724	-72.70163
			11/16/10	46	23.8	6.1	13	6.9	77	<0.5	1.5	<0.5		0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		38	5.9	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<1	<50	<1	<5	<1	9	<1	1.3	40.82724	-72.70163	
			9/22/11	0	23.55	6.3	19	6.8	210	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.4	91	<1	52	6	412	8	<50	<1	<5	40.82724	-72.70163	
SP-5M	25-35	N. Dead End Circle Place	8/18/08	0.8	26.68	4.4	13	4.2	228	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	341	<1	59	10	2150	<1	31	<1	6.9	40.82814	-72.70126		
			1/26/09	0	25.66	4.2	12	4.6	216	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	148	<1	<50	7	1550	<1	21	<1	7.2	40.82814	-72.70126		
SP-5	70-75	N. Dead End Circle Place	8/18/08	81.4	26.75	8.8	14	5.4	61	<0.5	1.7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		74	5.7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	130	<2	<50	<1	7	<1	10	<1	0.7	40.82814	-72.70126		
			1/26/09	73.2	25.74	6.8	12	5	64	<0.5	1.7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		66	5.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	23	<1	<50	<1	18	1	9	<1	0.8	40.82814	-72.70126		
			11/16/10	95.8	26.8	6.1	13	7.1	62	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		90	5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	1.6	<1	<50	<1	29	<1	9	<1	1.3	40.82814	-72.70126		
			9/22/11	90.2	26.04	7.7	15	6.8	62	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		85	4.4	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	5	<1	<50	5	50	<1	9	<1	1.2	40.82814	-72.70126	
SP-5B	140-145	N. Dead End Circle	8/18/08	0.8	26.43	2.7	17	6.8	75	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		0.8	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	130	<2	<50	1	388	4	p	p	p	40.82814	-72.70126	
-16	75-80	ria Dr	1/17/08	1325	22.99	6.1	12	5.7	101	110	627	<0.5		25	1	<0.5	0.7	<0.5	<0.5		351	196	14		<0.5	<0.5	<0.5	0.7	110	<0.5	12	<0.5	<0.5	0.9	<0.5	0.2	56	<2	<50	<1	41	1	6	<1	0.9	40.81922	-72.70278	
			7/8/08	382.1	22.41	6.6	13	9.4	79	21	131	<0.5		6.5	<0.5	<0.5	<0.5	<0.5	<0.5		162	58	3.6		<0.5	<0.5	<0.5	<0.5	<0.5	21	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	0.3	19	<2	<50	1	46	1	7	<1	1	40.81922	-72.70278
			1/27/09	320.3	21.45	6.8	12	6	59	17	111	<0.5		5.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		157	27	2.8		<0.5	<0.5	<0.5	<0.5	<0.5	17	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.1	4	<1	<50	<1	9	<1	7	<1	1	40.81922

* Indicates trace amounts present

NA- not analyzed/ not available

P- pending lab results

All quantities are in ppb unless otherwise specified

Speonk
Permanent Wells

Well Information		Field Parameters							VOC'S																	Metals						Inorganics			Coordinates														
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2- Tetrachloroethane	1,1,1,2- Tetrachloroethane		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene		1,3- Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2- Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West		
SP-18	75-80	Wisteria	11/18/10	138.8	22.85	2	13	6.5	207	11	36	<0.5		1.8	<0.5	<0.5	<0.5	<0.5	<0.5		68	21	1		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	8	<1	<50	<1	12	<1	10	<1	7.1	40.81922	-72.70278	
			9/14/11	58.4	21.34	2.2	20	6.8	238	3.8	18	<0.5		0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		26	9.9	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	14	<1	<50	<1	12	1	<5	<1	2	40.81922	-72.70278	
			12/19/12	5.2	23.11	0.6	11	5.4	247	<0.5	1.1	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		3	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	18	<1	5.2	40.81922	-72.70278	
SP-18	75-80	215 Montauk Hwy	1/17/08	848	24.22	4	12	6.5	94	59	407	1		21	<0.5	<0.5	3	<0.5	<0.5		186	159	12		<0.5	<0.5	<0.5	3	59	<0.5	9.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	522	<2	<50	4	481	12	7	<1	1.1	40.81920	-72.70210	
			7/8/08	234	23.79	5.9	13	7.8	71	14	102	<0.5		5.2	<0.5	<0.5	<0.5	<0.5	<0.5		67	43	2.8		<0.5	<0.5	<0.5	<0.5	14	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	0.2	144	<2	<50	<1	19	<1	6	<1	0.4	40.8192	-72.7021	
			1/27/09	493.3	22.85	6.8	12	6.1	76	26	172	<0.5		5.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		229	58	2.4		<0.5	<0.5	<0.5	<0.5	26	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	1	<1	<50	<1	<5	<1	7	<1	0.7	40.8192	-72.7021
			3/4/10	153.3	24.5	5.9	13	5.7	176	7.1	19	<0.5		1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		106	19	0.8		<0.5	<0.5	<0.5	<0.5	7.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<1	<50	<1	<5	<1	10	<0.1	2.5	40.8192	-72.7021	
			11/18/10	98.9	24.2	5	13	6.7	118	5.8	17	<0.5		1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		60	14	0.8		<0.5	<0.5	<0.5	<0.5	5.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	2	<1	<50	<1	6	<1	6	<1	2.1	40.8192	-72.7021	
			9/14/11	45.8	22.68	5.8	24	7	75	2.1	6.7	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		30	7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<50	<1	<5	<1	6	<1	1.2	40.8192	-72.7021
			12/19/12	155.8	24.58	0.9	13	6	69	13	32	<0.5		1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		80	28	1.1		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	6	<1	1.1	40.8192	-72.7021
SP-18S	25-30	215 Montauk Hwy	3/24/10	0	21.6	0.9	14	6	111	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<1	<50	<1	<5	<1	6	<0.1	<0.5	40.81918	-72.70205			
SP-21S	25-30	Montauk Hwy	3/24/10	0	19.86	6.3	12	5.2	278	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	78	<1	<50	3	91	<1	33	<0.3	7.1	40.81904	-72.70024			
SP-22	75-80	Montauk Hwy	1/17/08	454	22.76	5.1	11	5.9	93	31	173	<1		23	<1	<1	<1	<0.5	<0.5		89	127	11		<0.5	<0.5	<0.5	<1	31	<1	<1	<1	<0.5	<1	<1	1.1	122	<2	<50	2	176	8	7	<1	2.6	40.81902	-72.69951		
		wy	3/18/09	541.3	22.2	3	12	6.2	70	38	191	<0.5		27	16	<0.5	1.3	<0.5	<0.5		120	148	<0.5		<0.5	<0.5	<0.5	1.3	38	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	0.4	536	<1	<50	<1	43	<1	8	<0.1	0.6	40.81899	-72.69952		

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Speonk
Permanent Wells

Well Information		Field Parameters							VOC'S																	Metals						Inorganics			Coordinates													
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2- Tetrachloroethane	1,1,1,2- Tetrachloroethane		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene		1,3- Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2- Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West	
SP-22P	75-80	Montauk Hwy	3/4/10	365.6	23.1	4.7	12	6.5	110	34	148	<0.5		24	<0.5	<0.5	1	<0.5	<0.5		74	78	6.6		<0.5	<0.5	<0.5	1	34	<0.5	1.8	<0.5	<0.5	0.6	<0.5	0.1	4	<1	<50	<1	35	2	<5	<0.1	3.5	40.81899	-72.69952	
			11/22/10	826.7	23	3.3	13	6.2	68	61	209	<0.5			39	<0.5	<0.5	1.7	<0.5	<0.5		194	322	<0.5		<0.5	<0.5	<0.5	1.7	61	<0.5	<0.5	<0.5	1	<0.5	<0.1	1	<1	<50	<1	8	<1	<5	<1	1.3	40.81899	-72.69952	
SP-22S	25-30	Montauk Hwy	3/24/10	0	20.6	8.3	9.9	6.4	990	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	4	2	<50	<1	<5	2	<15	<0.3	<1.5	40.81899	-72.69952			
SP-23	95-100	Wisteria Dr	1/17/08	973	20.61	6.5	12	6.1	64	89	658	<1		22	<1	<1	<1	<0.5	<0.5		68	126	10		<0.5	<0.5	<0.5	<1	89	<1	21	<1	<0.5	<1	<1	2	176	<2	<50	4	438	19	6	<1	0.6	40.81788	-72.70310	
SP-23P	85-90	Wisteria Dr	1/27/09	846	19.1	7.3	12	6.5	63	87	581	<0.5		20	0.6	<0.5	0.6	<0.5	<0.5		62	87	7.8		<0.5	<0.5	<0.5	0.6	87	<0.5	17	<0.5	<0.5	0.8	<0.5	<1	46	<1	<50	2	110	8	5	<1	0.8	40.81788	-72.70307	
			11/18/10	762.3	20.5	5.6	14	6.8	60	82	471	<0.5			18	0.5	<0.5	<0.5	<0.5	<0.5		77	104	9.8		<0.5	<0.5	<0.5	<0.5	82	<0.5	20	<0.5	<0.5	0.7	<0.5	0.5	21	<1	<50	5	60	5	<20	<4	<2	40.81788	-72.70307
			9/14/11	508.7	18.94	7	17	7.3	58	55	321	<0.5			9.2	6.5	<0.5	<0.5	<0.5	<0.5		52	65	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	10	<1	<50	<1	5	2	7	<1	<5	40.81788	-72.70307			
SP-26P	75-80	34 Nidzyn Ave	3/16/09	8.6	21.25	5.7	12	5.7	180	<0.5	7.9	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	0.7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	1280	<1	<50	3	10	<1	15	<0.1	2.4	40.81430	-72.70053		
			11/24/10	3.2	22.82	4.9	13	6.4	204	<0.5	2.6	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	0.6	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	953	<1	<50	<1	20	<1	14	<1	2.1	40.8143	-72.70053			
			7/13/11	9.4	21.09	na	na	6.3	205	0.5	6.9	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		0.6	1.4	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	839	<1	76	<1	58	1	15	<1	2.2	40.8143	-72.70053		
			12/26/12	9.5	21.69	0.8	12	5.4	216	0.5	4.4	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		1.5	3.1	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	11	<1	2.4	40.8143	-72.70053			
SP-34D	110-115	Garland Street at the fork in the wooded area	8/21/08	33.6	22	6	13	6.8	85	4.4	25	<0.5		1.8	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	1.3	1.1		<0.5	<0.5	<0.5	<0.5	4.4	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.1	53	<2	<50	<1	53	1	5	<1	0.9	40.81633	-72.70210	
			1/27/09	21	21.5	7.3	14	6.2	189	2.3	13	<0.5			0.7	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.2	57	<1	<50	<1	130	2	6	<1	2.6	40.81633	-72.70210		
			11/22/10	128.2	22.4	4.2	14	7.2	157	16	89	<0.5			6.7	<0.5	<0.5	0.5	<0.5	<0.5		1	15	<0.5		<0.5	<0.5	<0.5	0.5	16	<0.5	4.7	<0.5	<0.5	<0.5	<0.5	<0.1	11	<1	<50	<1	14	<1	5	<1	3.3	40.816333	-72.7021
SP-34P	70-75	Garland Street at the fork in the wooded area	3/16/09	0.7	21.88	4.9	12	6.9	125	<0.5	0.7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	972	<1	<50	3	62	4	20	<0.1	2.8	40.81633	-72.70214			
			11/22/10	0.6	22.6	2.6	14	6.4	247	<0.5	0.6	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	33	<1	<50	<1	9	<1	24	<1	4.5	40.81633	-72.70214			

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Speonk
Permanent Wells

Well Information			Field Parameters							VOC'S																	Metals						Inorganics			Coordinates								
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2- Tetrachloroethane	1,1,1,2- Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	1,3-Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2-Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West
SP-35	25-30	Matthews Drive	3/4/10	4.9	21.15	7.1	12	6.5	143	<0.5	4.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<1	<1	<50	<1	13	2	7	<0.1	2.1	40.81784	-72.69987
SP-35P	75-80	Matthews Drive	3/16/09	6.7	22.05	6.5	12	6.9	163	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	736	<1	<50	1	58	2	8	<0.1	1.4	40.81788	-72.69973
			3/4/10	52.9	21.15	6.9	12	5.9	121	2.2	21	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	9.7	17	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	3	<1	<50	<1	<5	<1	6	<0.1	1.4	40.81788	-72.69973
			11/23/10	6.8	22.8	4.8	13	6.7	156	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	2.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	14	<1	<50	<1	<5	<1	<30	<0.6	3.8	40.81788	-72.69973
			9/15/11	8	21.64	6.5	20	6.9	115	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	35	<1	<50	<1	<5	<1	<250	<5	<25	40.81788	-72.69973
			1/8/13	14.6	22.84	0.7	12	5.6	52	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.9	5.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	<100	<2	<10	40.81788	-72.69973
SP-40	15-20	Bridle Path, Speonk	8/1/12	0.8	7.71	4.5	19	6.2	217	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.1	5	<1	<50	1	42	NR	20	<4	2.5	40.81127	-72.69855	
SP-44P	65-70	41 Matthews Drive	3/16/09	0.6	18	3.5	12	6	300	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.9	329	<1	<50	4	122	3	22	<0.1	4.7	40.81318	-72.70308
			11/24/10	1	18.5	3.2	13	6.3	274	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	12	<1	<50	<1	81	<1	22	<1	4.9	40.813183	-72.70308	
			9/29/11	4.9	17.56	2.4	16	6.6	278	<0.5	4.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.3	543	<1	<50	4	99	8	21	<3	3.8	40.813183	-72.70308	
			1/8/13	21	18.76	0.6	13	4.8	217	1.9	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	19	<1
SP-45	25-30	Wisteria Drive, Speonk	8/1/12	0	17.79	7.4	16	5.9	128	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	5	<1	<50	1	17	2	<20	<4	<2	40.814383	-72.70492	
-48	110-	Path, In Front of House #41	8/20/08	0	18.9	6.7	13	6.5	91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6	6	<2	<50	<1	6	1	13	<1	0.7	40.81558	-72.69795	

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Speonk
Permanent Wells

Well Information			Field Parameters							VOC'S																		Metals							Inorganics			Coordinates																									
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2-Tetrachloroethane	1,1,1,1,2-Tetrachloroethane		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene		1,3-Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2-Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West																
SP-115	115	Bridle Speonk of h...	1/29/08	0.6	18.1	8	13	6.7	84	<0.5	0.6	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	8	<1	<50	<1	<5	2	13	<1	0.4	40.81558	-72.69795																	
SP-48	110-115	41 Bridle Path	1/9/13	22.6	19.19	0.6	13	6.1	96	<0.5	21	<0.5		0.9	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	0.7		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	14	<1	<5	40.81558	-72.69795															
SP-48P	70-75	41 Bridle Path	3/16/09	0.7	19	6.5	12	5.9	207	<0.5	0.7	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	0.3	191	<1	<50	2	22	<1	18	<0.1	1.3	40.81566	-72.69808																	
			1/9/13	0	19.39	0.8	13	5.2	285	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	13	<0.1	1.8	40.81566	-72.69808																		
SP-49 MA	17-27	21 Nidzryn Avenue	1/21/09	0	20.85	9.2	14	5.9	113	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	15	<1	<50	<1	87	1	9	<1	1.3	40.81603	-72.69979																
			7/13/11	0	22.69	na	na	6.6	103	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.2	13	<1	<50	<1	191	<1	7	<1	1.9	40.81603	-72.69979																	
			1/8/13	0	21.08	0.6	13	5.7	100	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	8	<1	1.9	40.81603	-72.69979																		
SP-49 M	70-75	21 Nidzryn Avenue	1/21/09	6.3	21.05	8.9	13	6.1	88	<0.5	6.3	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	5	<1	<50	<1	5	1	9	<1	0.7	40.81603	-72.69979												
			11/23/10	0.8	22.26	6.6	14	6.6	335	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	11	<1	<50	<1	30	<1	21	<1	1.1	40.81603	-72.69979							
			9/21/11	1.3	21.02	8.2	17	6.9	227	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.81603	-72.69979					
			1/8/13	0.8	21.83	0.7	13	5.4	175	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	24	<1	<5	40.81603	-72.69979																
SP-50MA	25-35	109 North Phillips Avenue	1/21/09	1.6	26.4	7.6	13	5	206	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		1.6	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82573	-72.70042											
SP-50M	75-80	109 North Phillips Avenue	1/21/09	359.7	26.45	6.7	12	6.1	53	1.5	39	<0.5		3.1	<0.5	<0.5	<0.5	<0.5	<0.5		255	59	1.4		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82573	-72.70042						
			11/17/10	238.5	27.62	6.2	13	7.1	51	0.7	14	<0.5		1.2	<0.5	<0.5	<0.5	<0.5	<0.5		200	22	0.6		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82573	-72.70042		
			9/28/11	198.9	27.64	8.8	14	7.5	50	0.9	24	<0.5		2	<0.5	<0.5	<0.5	<0.5	<0.5		151	20	1		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82573	-72.70042

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Speonk
Permanent Wells

Well Information		Field Parameters							VOC'S																Metals						Inorganics			Coordinates												
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	1,3-Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2-Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West		
SP-51MA	21-31	North Phillips Avenue	1/21/09	4.7	25.6	8.7	13	6.2	194	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	46	<1	55	4	107	2	10	<1	2.2	40.82481	-72.70124
			11/17/10	0	27	6.9	14	7	111	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	P	P	40.82481	-72.70124
			9/29/11	0	25.76	9.3	17	6.7	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	7	<1	<50	2	24	2	8	<1	1	40.82481	-72.70124
			1/30/13		27.32	0.8	13	6.8	164	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	<20	<4	4.9	40.82481	-72.70124	
SP-51M	75-80	North Phillips Avenue	1/21/09	1420	25.8	2.2	12	6.2	78	7.9	26	<0.5	8.4	0.6	<0.5	0.6	1.8	1.8	1010	360	3.2	1.1	0.6	0.6	0.6	7.9	<0.5	<0.5	<0.5	0.8	2.7	<0.5	<1	16	<1	<50	3	<5	<1	9	<1	1.6	40.82481	-72.70124		
			11/17/10	1035	27	2.8	13	6.8	73	2.1	6.4	<0.5	2.9	<0.5	<0.5	<0.5	1.2	1.2	852	168	1.2	1	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<0.5	0.7	<0.5	<0.1	1	<1	<50	<1	5	<1	7	<1	1.2	40.82481	-72.70124			
SP-52 MA	21-31	68 North Phillips Avenue	1/21/09	1.2	26	8.4	13	6.1	260	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	23	<1	<50	<1	28	1	12	<1	3.4	40.82316	-72.70248		
			1/15/13	0	27.85	0.7	11	5.8	194	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	<20	<4	<2	40.82316	-72.70248			

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Speonk
Permanent Wells

Well Information		Field Parameters							VOC'S																Metals						Inorganics			Coordinates																																		
Monitoring Well ID	Screen Interval (feet below grade)	Location	Sample Date	Total Chlorinated VOC's	Depth to Water (feet)	Dissolved Oxygen (mg/L)	Temperature C	PH	Conductivity (umho)	Carbon tetrachloride	Chloroform	Methylene chloride		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,1,1,2- Tetrachloroethane	1,1,1,2- Tetrachloroethane		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene		1,3- Dichlorobenzene (m)	Benzene	Total Xylene	1,2-Dichloroethane	Carbon tetrachloride	tert-Amyl-Methyl-Ether	Freon 113	m,P-Dichlorobenzene	1,2- Dichlorobenzene (o)	Diethyl ether	MTBE	Iron (mg/L)	Manganese	Arsenic	Zinc	Copper	Aluminum	Chromium	Sulfate mg/L	Nitrite mg/L	Nitrate mg/L	North	West																					
SP-52M	65-70	68 North Phillips Avenue	1/21/09	2.3	26	2.8	12	5.9	288	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		2.3	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82316	-72.70248																	
			11/18/10	2.9	27.5	7.6	13	7.2	55	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		2.1	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82316	-72.70248													
			9/28/11	2.8	26.29	11	14	7.8	68	<0.5	1.1	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		1.7	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.82316	-72.70248											
			1/15/13	0.8	27.75	0.6	11	5.7	65	<0.5	0.8	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	P	P	P	P	P	P	P	<5	<1	1.2	40.82316	-72.70248																	
SP-81M	60-65	3 Private Road	11/23/10	7.7	21	0.5	14	6	65	0.7	6.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.81994	-72.71484											
			9/21/11	180.4	20.21	6.6	17	7.7	57	15	138	<0.5		8	4.4	<0.5	<0.5	<0.5	<0.5	<0.5		14	1	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.81994	-72.71484								
			1/30/13		21.04	0.7	13	6.9	64	22	177	<0.5		10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		42	4.1	6.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.81994	-72.71484							
SP-82M	75-80	7 Private Road	11/23/10	78.9	23.65	6.6	14	6	56	9.4	56	<0.5		3.4	<0.5	<0.5	<0.5	<0.5	<0.5		7.5	0.9	1.7		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.81893	-72.7157					
			9/15/11	138.7	22.85	6.9	19	7.2	57	12	84	<0.5		6.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		30	2.2	4.4		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.81893	-72.7157	
			1/9/13	41.7	23.61	0.7	12	6.1	61	3	21	<0.5		1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		14	1	1.3		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

* Indicates trace amounts present
NA- not analyzed/ not available
P- pending lab results
All quantities are in ppb unless otherwise specified