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SITE CHARACTERIZATION INVESTIGATION DATA SUMMARY
CASTLE'S FAST DRY CLEANERS INC.
221 HOFFMAN STREET
ELMIRA, NEW YORK
NYSDEC SITE NO. 808034

Prepared For:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Prepared By:

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1 INTRODUCTION

1.1 PURPOSE AND SCOPE

The Site Characterization Investigation Data Summary (SCIDS) provides the data collected during Task #1 and Task #2 of the New York State Department of Environmental Conservation (NYSDEC) approved Site Characterization/Remedial Investigation Work Plan for Castle's Fast Dry Cleaners, Inc., NYSDEC Site No. 808034 per Order on Consent and Administrative Settlement, Index #B8-0779-08-04. This information is to assist in finalizing the scope of work for Task #4 under the Work Plan.

1.2 SITE DESCRIPTION

The Site is located at 221 Hoffman Street in a mixed use (residential /commercial) area of the City of Elmira, New York (see Drawing No. 1 & 2, Appendix B). The Site consists of a 0.1-acre rectangular parcel. The parcel consists of a structure that houses an active, on-going dry cleaning business and a former tavern (vacant), with a small strip of pavement along the west side of the building. The Site is bordered by commercial properties to the north and south sharing the same walls of the building with the two adjacent buildings. There is a paved parking area to the west of the Site with residences further west. There is a multi-unit residential property and a commercial office further north of the Site across West Church Street. A Mobil convenience store and fuel dispensing station and a funeral home are located east of the Site across Hoffman Street.

2 INVESTIGATION

2.1 AREA AND CONTAMINANTS OF CONCERN

The areas of concern identified are: impacted soil from potential sources at the Site, groundwater quality in the vicinity of the Site; downgradient water supply wells and potential vapor migration into the Site building and adjacent structures.

The contaminants of concern (COCs) are chlorinated solvents, specifically Tetrachloroethene (PCE) and its transformation products, Trichloroethene (TCE), *cis* and *trans*-1,2-Dichloroethene

(DCE), 1,1-Dichloroethene (1,1-DCE), Vinyl Chloride (VC), 1,1,1-Trichloroethane (1,1,1-TCA), 1,1-Dichlorothane (1,1-DCA), 1,2-Dichloroethane (1,2-DCA), and Chloroethane (CA).

2.2 SUMMARY OF WORK

2.2.1 Task #1 – Direct Push Evaluation

The scope of Task #1 was separated into two parts, on-site activities (Task #1A) and off-site activities (Task #1B).

Task #1A – Source Area Evaluation:

Potential source areas were suspected to be in the vicinity immediately behind the Site building (west side), and possibly under the building.

GeoLogic completed direct push borings in July 2010 at eight locations (5 exterior and 4 interior). The interior borings are designated CCIN 10.1 through 10.5 and the exterior borings are designated CCEX 10.1 through 10.4.. Continuous soil samples were obtained at all completed boring locations until groundwater or refusal was encountered (see Appendix B, Drawing No. 3).

Soils encountered at the interior boring locations were silty sand and gravel with coal and ash. Equipment refusal was encountered above the groundwater table at three boring locations, CCIN 10.3, 10.4 and 10.5. Refusal was encountered at similar depths at these three locations, approximately 7.5 feet below grade, and concrete was observed within the sampler. Boring CCIN 10.2 was attempted, but encountered equipment refusal below the concrete floor. At CCIN 10.1, the boring was advanced to 13 feet below grade, and a groundwater sample was obtained for analysis.

For the interior source area borings, no soil or groundwater samples were submitted from boring CCIN 10.2; the termination-equipment refusal depth was 0.9 feet. For borings CCIN 10.3, CCIN 10.4 and CCIN 10.5, four rather than five soil samples were submitted for analysis because the termination depths were shallower than anticipated. At CCIN 10.1, six rather than five soil samples were submitted for analysis because the termination depth was deeper than anticipated.

The number of water samples submitted and analyzed from the interior borings differed from the number proposed in the Work Plan. Only one (CCIN 10.1) of the five interior borings terminated in groundwater; equipment refusal was encountered at the other four boring locations.

A matrix of sample numbering and analyses completed are provided on the following tables for the interior borings.

Table 2-1
Analytical Testing Summary
Interior Source Area

Sample Location	Sample Type and Depth	TCL Volatile Analyses	TCL Semi-Volatile Analyses	PCB	TAL Metals	Cyanide
CCIN 10.1	Soil, 0-2'	X				
CCIN 10.1	Soil, 2'-4'	X				
CCIN 10.1	Soil, 4'-6'	X				
CCIN 10.1	Soil, 6'-8'	X				
CCIN 10.1	Soil, 8'-10'	X				
CCIN 10.1	Soil, 10'-12'	X				
CCIN 10.1	Soil, 2'-8'		X	X	X	X
CCIN 10.1	Water, 11'-13'	X				
CCIN 10.3	Soil, 0-2'	X				
CCIN 10.3	Soil, 2'-4'	X				
CCIN 10.3	Soil, 4'-6'	X				
CCIN 10.3	Soil, 6'-7.5'	X				
CCIN 10.3	Soil, 2'-7.5'		X	X	X	X
CCIN 10.4	Soil, 0-2'	X				
CCIN 10.4	Soil, 2'-4'	X				
CCIN 10.4	Soil, 4'-6'	X				
CCIN 10.4	Soil, 6'-7.5'	X				
CCIN 10.4	Soil, 0-7.5'		X	X	X	X
CCIN 10.5	Soil, 1.5'-2'	X				
CCIN 10.5	Soil, 2'-4'	X				
CCIN 10.5	Soil, 4'-6'	X				
CCIN 10.5	Soil, 6'-7.8'	X				
CCIN 10.5	Soil, 2'-7.8'		X	X	X	X

Soils encountered at the exterior boring locations were sand and gravel with varying

amounts of silt. At boring CCEX 10.4, fill soils with ash and cinders were encountered to a depth of approximately 9 feet below ground surface (bgs). Depth to groundwater generally ranged between 10 and 12 feet bgs. One of the exterior locations (CCEX10.3) was advanced to a depth of approximately 44 feet below grade where a possible confining layer was encountered, but not penetrated, at approximately 43 feet bgs. A 1-inch diameter PVC monitoring well was installed at boring location CCEX10.1 with a screened section between 7 and 17 feet bgs.

Groundwater samples were obtained from each of the exterior borings.

No field evidence of contamination (olfactory, visual, elevated PID readings->5 ppm) was noted in the soils and groundwater samples collected during the Task #1A fieldwork.

The soil samples exhibiting the highest PID reading at each location were submitted for analyses. The number of soil samples submitted and the analyses performed are consistent with the scope outlined in the Work Plan for the exterior source area borings.

The number of water samples submitted and analyzed from the exterior borings differed from the number proposed in the Work Plan. At one exterior boring, CCEX 10.3, four rather than five groundwater samples were collected approximately every 10-foot to the termination depth, as the termination depth was shallower than anticipated.

A matrix of sample numbering and analyses for the exterior borings are provided on the following table.

Table 2-2

Analytical Testing Summary
Exterior Source Area

Sample Location	Sample Type and Depth	TCL Volatile Analyses	TCL Semi-Volatile Analyses	PCB	TAL Metals	Cyanide
CCEX 10.1	Soil, 2'-4'	X				
CCEX 10.1	Soil, 4'-6'	X				
CCEX 10.1	Soil, 6'-8''	X				
CCEX 10.1	Soil, 8'-10'	X				
CCEX 10.1	Soil, 10'-12'	X				
CCEX 10.1	Soil, 2'-6'		X	X	X	X
CCEX 10.1	Water, Well	X	X	X	X	X
CCEX 10.2	Soil, 0-2''	X				
CCEX 10.2	Soil, 4'-6'	X				
CCEX 10.2	Soil, 6'-8'	X				
CCEX 10.2	Soil, 8'-10'	X				
CCEX 10.2	Soil, 10'-12'	X				
CCEX 10.2	Soil, 4'-10'		X	X	X	X
CCEX 10.2	Water 10.5'-12.5'	X				
CCEX 10.3	Soil, 0-2'	X				
CCEX 10.3	Soil, 2'-4'	X	X	X	X	X
CCEX 10.3	Soil, 4'-6'	X				
CCEX 10.3	Soil 6'-8'	X				
CCEX 10.3	Soil, 8'-10'	X				
CCEX 10.3	Water, 10'-12.5'	X	X	X	X	X
CCEX 10.3	Water, 20'-24'	X				
CCEX 10.3	Water, 28'-32'	X				
CCEX 10.3	Water, 40'-43'	X				
CCEX 10.4	Soil, 2'-4'	X				
CCEX 10.4	Soil, 4'-6'	X				
CCEX 10.4	Soil, 6'-8'	X				
CCEX 10.4	Soil, 8'-10'	X				
CCEX 10.4	Soil, 10'-12'	X				
CCEX 10.4	Soil, 8'-12'		X	X	X	X
CCEX 10.4	Water, 10'-14'	X				

A complete analytical summary of the samples collected from the on-site borings is included in Appendix A, Table No. 1.

Findings

The concentrations of volatile and semi-volatile compounds, and PCB reported in the soils samples collected from both the interior and exterior borings do not exceed NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives (SCOs). The concentrations of iron, magnesium and/or calcium exceed the SCOs in several of the soil samples (see Appendix A, Table 2). The metals are not typically associated with dry cleaning operations.

The concentrations of semi-volatile compounds in the groundwater samples collected from the two exterior borings (CCEX.10.1 and CCEX.10.3) did not exceed NYSDEC Water Quality Standards and Guidance Values. Concentrations of several metals exceeded NYSDEC Standards in the groundwater sample collected from the two exterior borings. All groundwater samples that were analyzed for volatile compounds report concentrations that exceed NYSDEC Standards for the COCs. The COC concentrations in groundwater at boring CCEX.10.3, where groundwater samples were collected at approximately 10-foot intervals, suggest a decrease in concentrations with depth (see Appendix B, Table 2).

Task #1B – Confirmatory and Additional Characterization Sampling:

As part of Task #1B, GeoLogic located four existing monitoring wells (GW-2, GW-4, GW-8, and GW-11) that were installed as part of the MACTEC study in 2006 and one monitoring well, PS-1, located on the Elmira Water Board property. Monitoring well GW-1 could not be located; therefore a new well was installed at the location.

Monitoring wells (MW-13, MW-14 and MW-15) that were installed as part of a groundwater evaluation preformed by Groundwater Environmental Services, Inc. (GES) in 2004 for the Mobil Station site located adjacent and east of Castle's Cleaners were not located.

GeoLogic advanced twenty-four (24) direct push borings in November 2010 and April 2011 at off-site locations. The borings were advanced at the locations depicted on Drawing No. 4, Appendix B. The borings are designated OFDP 10.1 through OFDP 10.22, and GW-1 and GW-2 (boring). At six boring locations (GW-1, OFDP 10.1, 10.2, 10.5, 10.7 and 10.8), 1-inch diameter PVC monitoring wells were installed.

Continuous soil samples were collected at the boring locations to depths ranging from 32 to 50 feet bgs. An upper silty sand and gravel unit was encountered underlain by deposits with variable clay, silt, and medium to fine sand content. At three locations, (OFDP 10.6, OFDP 10.15 and OFDP 10.16, a definitive fine-grained deposit was not encountered. Several borings terminated within a dense silty sand and gravel unit (see Cross Section A-A', Appendix B, Drawing No. 5). Groundwater was encountered in the brown silty sand and gravel deposits at depths ranging between 8 and 14 feet bgs. No field evidence of contamination (olfactory, visual, elevated PID readings) was observed in either the soil or groundwater samples obtained. Borings were advanced at previous sampling locations GW-1, GW-2, GW-5 (OFDP 10.3), GW-6 (OFDP 10.1), GW-7 (OFDP 10.6), GW-9 (OFDP 10.4), GW-10 (OFDP 10.2) to confirm soil profile data and 2006 analytical results.

Shallow (water table interface) and deeper groundwater samples were collected at the boring locations to better define the vertical and lateral extent of potential COCs in groundwater. The Subsurface Logs, which are a record of this work, are attached in Appendix C.

Groundwater samples were collected from the five existing groundwater monitoring wells and the six newly installed wells. The groundwater parameters are summarized on Table 4, Appendix A.

Findings

The analytical data indicates the presence of COCs and other volatile compounds associated with petroleum fuels. The petroleum-related compounds are likely associated with a past petroleum release(s) at the Mobil Station (NYSDEC Spill #9508867) located on the southeast corner of Hoffman and Church Streets in groundwater. The concentrations of both the COCs and petroleum-related compounds that were observed in the groundwater samples that were collected within the upper silty sand and gravel deposit are depicted on Drawing No. 7 (See Appendix B).

The analytical data is summarized on Table 3, Appendix A. The following is a general summary of total contaminant concentrations for both COCs and other VOCs.

Table No. 2-3
Groundwater Contaminant Concentrations Summary

Location	*Contaminants of Concern [ug/L]*	*Other VOCs [ug/L]*
GW-1 (Well)	ND	ND
GW-1 (40-44 ft)	ND	ND
GW-2	ND	ND
GW-4	223	ND
GW-8	465	ND
GW-11	90	11
PS-1	4	ND
OFDP-10.1 (Well)	6	ND
OFDP-10.1 (25-28 ft)	ND	ND
OFDP-10.1 (46-50 ft)	ND	7
OFDP-10.2 (Well)	153	ND
OFDP-10.2 (37-41 ft)	3	ND
OFDP-10.3 (14-18 ft)	89	19
OFDP-10.3 (24-28 ft)	629	89
OFDP-10.3 (36-40 ft)	7	ND
OFDP-10.4 (11-15 ft)	12	6
OFDP-10.4 (26-30 ft)	135	28
OFDP-10.5 (Well)	ND	ND
OFDP-10.5 (46-50 ft)	ND	ND
OFDP-10.6 (11.5-15.5 ft)	8	ND
OFDP-10.6 (37-41 ft)	ND	6
OFDP-10.7 (Well)	ND	21
OFDP-10.7 (43-47 ft)	ND	ND
OFDP-10.8 (Well)	ND	8,640
OFDP-10.8 (20-24 ft)	20	3,699
OFDP-10.8 (44-48 ft)	ND	2,513
OFDP-10.9 (12-16 ft)	18	ND
OFDP-10.9 (45-49 ft)	3	ND
OFDP-10.10 (12-16 ft)	ND	22
OFDP-10.10 (44-48 ft)	ND	ND
OFDP-10.11 (12-16 ft)	154	32
OFDP-10.11 (36-40 ft)	ND	ND
OFDP-10.12 (15-19 ft)	120	ND
OFDP-10.12 (40-44 ft)	ND	ND
OFDP-10.13 (15-19 ft)	15	10

Location	*Contaminants of Concern [ug/L]*	*Other VOCs [ug/L]*
OFDP-10.13 (26-30 ft)	46	ND
OFDP-10.14 (15-19 ft)	108	12
OFDP-10.14 (45-49 ft)	ND	ND
OFDP-10.15 (13-17 ft)	32	10
OFDP-10.15 (32-36 ft)	10	20
OFDP-10.16 (15-19 ft)	20	ND
OFDP-10.16 (45-49 ft)	3	ND
OFDP-10.17 (12-16 ft)	46	ND
OFDP-10.17 (28-32 ft)	3	ND
OFDP-10.18 (12-16 ft)	47	ND
OFDP-10.18 (17-21 ft)	35	ND
OFDP-10.19 (12-14 ft)	7	2
OFDP-10.19 (46-48 ft)	4	ND
OFDP-10.20 (14-16 ft)	5	2
OFDP-10.20 (38-40 ft)	ND	ND
OFDP-10.21(12-16 ft)	ND	ND
OFDP-10.21 (24-28 ft)	2	ND
OFDP-10.22 (12-16 ft)	5	2
OFDP-10.22 (26-30 ft)	27	ND

Contaminants of Concern – PCE, TCE, DCE, VC, 1,1,1-TCA, 1,1-DCE, 1,1-DCA, 1,2-DCA and CA

Other VOC consist of petroleum-related compounds

ND – Not detected at the reporting limits

2.2.2 Task #2 – Soil Vapor Intrusion Investigation

Soil gas and air samples were collected from those properties that granted access within the Target Area to GeoLogic (Drawing No. 6, Appendix B).

Sub-slab soil gas samples beneath the lowest living space (basement floor or grade level slab) and air samples were collected inside the lowest living space and basement, as applicable. Samples were collected from nine (9) properties for analysis using EPA Method TO-15. One property was re-sampled after the receipt of the analytical results to confirm the concentrations observed in the sub-slab soil vapor samples in comparison to the basement air sample.

A summary of the properties that have been identified as "Property 1 through Property 9" and the associated sample identifications are summarized on Table 5.

Findings

A summary of the COCs that were observed in the soil vapor and air samples is presented on Table 6, and a complete summary of the laboratory data is presented on Table 7.

2.2.3 Task #4 – Installation of Permanent Monitoring Wells

There are eleven (11) existing monitoring wells. All monitoring wells except for PS-1 are screened at the intersection of the water table within the upper silty sand and gravel deposit. Well PS-1 is approximately 45 deep. Based on the geology observed at nearby borings OFDP 10.19, well PS-1 likely terminates within a fine-grain sand and silt deposit.

Based on the analytical data collected during Tasks #1 and #2, additional monitoring wells are recommended to further evaluate the extent of the groundwater contaminant plume and the vertical distribution of contaminant concentrations. The proposed locations are depicted on Drawing No.8, Appendix B. It is proposed that the screened intervals be within the upper silty sand and gravel deposit at the intersection of the water table (shallow) and/or in the upper portion of the fine-grained sand, silt and clay deposit (deep) that underlies the silty sand and gravel.

The following table summarizes the proposed monitoring well locations in relation to the existing monitoring wells/soil borings and the anticipated screened intervals.

Table No. 2-4

Proposed Monitoring Well Installation Summary

Well Location	Anticipated Screened Interval	
	Shallow	Deep
at GW-2		X
at GW-8		X
GW-12	X	X
GW-13	X	
GW-14	X	X
GW-15	X	X
GW-16	X	
GW-17	X	X
GW-18	X	X
GW-19	X	
GW-20	X	X

These wells will be installed, developed and sampled in accordance with the approved Site Characterization/Remedial Investigation Work Plan.

Attached is a revised schedule for the remaining work presented in the Site Characterization/Remedial Investigation Work Plan.

GeoLogic NY, Inc.

Susan Cummins

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Biochemist/Project Manager

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GeoLogic

SC / RI WORK PLAN SCHEDULE
CASTLE'S FAST DRY CLEANERS
221 HOFFMAN STREET
ELMIRA, NEW YORK

	2011								2012							
TASK	**SEPT**		**OCT**		**NOV**		**DEC**		**JAN**		**FEB**		**MAR**		**APR**	
SCIDS Submission (Task 3)																
SCIDS Approval																
Field Activities Task 4 (install and sample wells)																
Task 5 RI/FS Report																
RI/FS Review																
RI/FS Revisions & Final Submittal																

	Potential overlap in schedule activities
	Scheduled time to complete task

Any public comment periods added will extend the interval between activities and the overall project schedule.

APPENDIX A

TABLES

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	6NYCRR	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.2	CCEX 10.2	CCEX 10.2
	Past 375 SCO	2'-4'	4'-6'	6'-8'	2'-6'	8'-10'	10'-12'	0-2'	4'-6'	6'-8'
Parameter	Comemrcial	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/6/2010	7/6/2010	7/6/2010
Volatile Target Compound List (TCL)										
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,2,3-Trichlorobenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2,4-Trichlorobenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2,4-Trimethylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2-Dibromo-3-chloropropane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2-Dibromomethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2-Dichlorobenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,3,5-trimethylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,3-Dichlorobenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,4-Dichlorobenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,4-Dioxane	500,000	R	R	R		R	R	R	R	R
Bromochloromethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Cyclohexane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Dichlorodifluoromethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Freon-113	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Isopropylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Methyl acetate	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
methyl tert-butyl ether	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Methylcyclohexane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
n-Butylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
n-Propylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
sec-Butylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
tert-Butylbenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Trichlorofluoromethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Chloromethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Vinyl chloride	13,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Bromomethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Chloroethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Acetone	500,000	1100 UJ	12 UJ	1200 UJ		12 UJ	1200 UJ	23 UJ	24 UJ	12 UJ
1,1-Dichloroethene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Carbon disulfide	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Methylene chloride	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
trans-1,2-Dichloroethene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,1-Dichloroethane	240,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
2-Butanone (MEK)	500,000	1100 UJ	12 UJ	1200 UJ		12 UJ	1200 UJ	23 UJ	24 UJ	12 UJ
cis-1,2-Dichloroethene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Chloroform	350,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,1,1-Trichloroethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Carbon tetrachloride	22,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Benzene	44,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2-Dichloroethane	30,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Trichloroethene	200,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,2-Dichloropropane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Bromodichloromethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
4-Methyl-2-pentanone	500,000	1100 UJ	12 UJ	1200 UJ		12 UJ	1200 UJ	23 UJ	24 UJ	12 UJ
cis-1,3-Dichloropropene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Toluene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
trans-1,3-Dichloropropene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,1,2-Trichloroethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
2-Hexanone	500,000	1100 UJ	12 UJ	1200 UJ		12 UJ	1200 UJ	23 UJ	24 UJ	12 UJ
Tetrachloroethene	150,000	1200 J	20 J	800 J		8.3 J	1500 J	36 J	100 J	3 J
Dibromochloromethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Chlorobenzene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Ethylbenzene	390,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
m,p-Xylenes	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
o-Xylene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Styrene	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
Bromoform	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
1,1,2,2-Tetrachloroethane	500,000	560 UJ	5.8 UJ	580 UJ		5.8 UJ	620 UJ	12 UJ	12 UJ	5.8 UJ
TIC's		ND	ND	ND		ND	ND	ND	ND	ND

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	6NYCRR	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.2	CCEX 10.2	CCEX 10.2
	Part 375 SCO	2'-4'	4'-6'	6'-8'	2'-6'	8'-10'	10'-12'	0-2'	4'-6'	6'-8'
Parameter		7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/6/2010	7/6/2010	7/6/2010
Semi-Volatile Target Compound List (TCL)	Commercial									
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1-Biphenyl	500,000				2000 UJ					
bis(2-Chloroethyl)ether	500,000				2000 UJ					
2-Chlorophenol	500,000				2000 UJ					
1,3-Dichlorobenzene	280,000				2000 UJ					
1,4-Dichlorobenzene	130,000				2000 UJ					
1,2-Dichlorobenzene	500,000				2000 UJ					
2-Methylphenol	500,000				2000 UJ					
N-Nitroso-di-N-propylamine	500,000				2000 UJ					
Hexachloroethane	500,000				2000 UJ					
Nitrobenzene	500,000				2000 UJ					
Isophorone	500,000				2000 UJ					
2-Nitrophenol	500,000				2000 UJ					
2,4-Dimethylphenol	500,000				2000 UJ					
bis(2-Chloroethoxy)methane	500,000				2000 UJ					
2,4-Dichlorophenol	500,000				2000 UJ					
1,2,4-Trichlorobenzene	500,000				2000 UJ					
Naphthalene	500,000				2000 UJ					
4-Chloroaniline	500,000				2000 UJ					
Hexachlorobutadiene	500,000				2000 UJ					
4-Chloro-3-methylphenol	500,000				2000 UJ					
2-Methylnaphthalene	500,000				2000 UJ					
2,4,6-Trichlorophenol	500,000				2000 UJ					
2,4,5-Trichlorophenol	500,000				2000 UJ					
2-Chloronaphthalene	500,000				2000 UJ					
2-Nitroaniline	500,000				3800 UJ					
Dimethylphthalate	500,000				2000 UJ					
Acenaphthylene	500,000				2000 UJ					
2,6-Dinitrotoluene	500,000				2000 UJ					
3-Nitroaniline	500,000				3800 U					
Acenaphthene	500,000				2000 UJ					
2,4-Dinitrophenol	500,000				3800 U					
4-Nitrophenol	500,000				3800 U					
Dibenzofuran	500,000				2000 UJ					
2,4-Dinitrotoluene	500,000				2000 UJ					
Diethylphthalate	500,000				2000 UJ					
4-Chlorophenyl-phenylether	500,000				2000 UJ					
Fluorene	500,000				2000 UJ					
4-Nitroaniline	500,000				3800 UJ					
2,6-Dinitro-2-methylphenol	500,000				3800 UJ					
N-Nitrosodiphenylamine	500,000				2000 UJ					
4-Bromophenyl-phenylether	500,000				2000 UJ					
Hexachlorobenzene	500,000				2000 UJ					
Pentachlorophenol	6,700				3800 U					
Phenanthrene	500,000				2000 UJ					
Anthracene	500,000				2000 UJ					
Carbazole	500,000				2000 UJ					
Di-n-butyl phthalate	500,000				2000 UJ					
Fluoranthene	500,000				500 JD					
Pyrene	500,000				2000 UJ					
Butyl benzyl phthalate	500,000				2000 UJ					
3,3'-Dichlorobenzidine	500,000				2000 UJ					
Benz[a]anthracene	5,600				2000 UJ					
Chrysene	56,000				2000 U					
bis(2-Ethylhexyl)phthalate	500,000				2000 UJ					
Di-n-octyl phthalate	500,000				2000 UJ					
Benzo[b]fluoranthene	5,600				2000 UJ					
Benzo[k]fluoranthene	56,000				2000 UJ					
Benzo[a]pyrene	1,000				2000 UJ					
Indeno(1,2,3-cd)pyrene	5,600				2000 UJ					
Dibenz[a,h]anthracene	560				2000 UJ					
Benzo[g,h,i]perylene	500,000				2000 UJ					
(3+4)-Methylphenol	500,000				2000 UJ					
bis(2-Chloroisopropyl)ether	500,000				2000 UJ					
Atrazine	500,000				2000 UJ					
Benzaldehyde	500,000				2000 U					
Biphenyl	500,000				2000 UJ					
Acetophenone	500,000				2000 UJ					
1,2,4,5-Tetrachlorobenzene	500,000				2000 UJ					
Caprolactam	500,000				2000 UJ					
TIC's					ND					

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	6NYCRR	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.1	CCEX 10.2	CCEX 10.2	CCEX 10.2
	Part 375 SCO	2'-4'	4'-6'	6'-8'	2'-6'	8'-10'	10'-12'	0-2'	4'-6'	6'-8'
Parameter	Commercial	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/7/2010	7/6/2010	7/6/2010	7/6/2010
TAL Metals										
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Mercury	2.8				0.177					
Aluminum	10,000				7790					
Antimony	10,000				11.5 U					
Arsenic	16				11.5 U					
Barium	400				117					
Beryllium	590				0.691 U					
Cadmium	9.3				6.09					
Calcium	10,000				2850					
Chromium	400				10.1					
Cobalt	10,000				5.97					
Copper	270				34.7 J					
Iron	10,000				13800					
Lead	1,000				148					
Magnesium	10,000				2420 J					
Manganese	10,000				604					
Nickel	310				15.2					
Potassium	10,000				664					
Selenium	1,500				6.91 U					
Silver	1,500				2.30 U					
Sodium	10,000				576 U					
Thallium	10,000				6.91 U					
Vanadium	10,000				10.6					
Zinc	10,000				20.6 J					
Cyanide	27				1.15 UJ					

PCBs										
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	1,000				38 UJ					
Aroclor 1221	1,000				38 UJ					
Aroclor 1232	1,000				38 UJ					
Aroclor 1242	1,000				38 UJ					
Aroclor 1248	1,000				38 UJ					
Aroclor 1254	1,000				38 UJ					
Aroclor 1260	1,000				38 UJ					

Notes:
Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum or
6NYCRR Part 375 Soil Cleanup Objective for Unrestricted Use
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration
R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCEX 10.2**	**CCEX 10.2**	**CCEX 10.2**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.4**
	Part 375 SCO	**8'-10'**	**10'-12'**	**4'-10'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**2'-4'**
Parameter	**Commercial**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/8/2010**
Volatile Target Compound List (TCL)										
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,2,3-Trichlorobenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2,4-Trichlorobenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2,4-Trimethylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2-Dibromo-3-chloropropane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2-Dibromomethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2-Dichlorobenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,3,5-trimethylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,3-Dichlorobenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,4-Dichlorobenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,4-Dioxane	500,000	R	R		R	R	R	R	R	R
Bromochloromethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Cyclohexane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Dichlorodifluoromethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Freon-113	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Isopropylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Methyl acetate	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
methyl tert-butyl ether	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Methylcyclohexane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
n-Butylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
n-Propylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
sec-Butylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
tert-Butylbenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Trichlorofluoromethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Chloromethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Vinyl chloride	13,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Bromomethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Chloroethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Acetone	500,000	12 UJ	12 UJ		22 UJ	61 UJ	12 UJ	11 UJ	25 UJ	1100 U
1,1-Dichloroethene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Carbon disulfide	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Methylene chloride	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
trans-1,2-Dichloroethene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,1-Dichloroethane	240,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
2-Butanone (MEK)	500,000	12 UJ	12 UJ		22 UJ	61 UJ	12 UJ	11 UJ	25 UJ	1100 U
cis-1,2-Dichloroethene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Chloroform	350,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,1,1-Trichloroethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Carbon tetrachloride	22,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Benzene	44,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2-Dichloroethane	30,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Trichloroethene	200,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,2-Dichloropropane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Bromodichloromethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
4-Methyl-2-pentanone	500,000	12 UJ	12 UJ		22 UJ	61 UJ	12 UJ	11 UJ	25 UJ	1100 U
cis-1,3-Dichloropropene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Toluene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
trans-1,3-Dichloropropene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,1,2-Trichloroethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
2-Hexanone	500,000	12 UJ	12 UJ		22 UJ	61 UJ	12 UJ	11 UJ	25 UJ	1100 U
Tetrachloroethene	150,000	17 J	28 J		130 J	290 J	5 J	5 J	180 J	1100
Dibromochloromethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Chlorobenzene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Ethylbenzene	390,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
m,p-Xylenes	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
o-Xylene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Styrene	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
Bromoform	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
1,1,2,2-Tetrachloroethane	500,000	5.8 UJ	5.8 UJ		11 UJ	30 UJ	6.1 UJ	5.6 UJ	12 UJ	570 U
TIC's		ND	ND		ND	ND	ND	ND	ND	ND

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCEX 10.2**	**CCEX 10.2**	**CCEX 10.2**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.3**	**CCEX 10.4**
	Part 375 SCO	**8'-10'**	**10'-12'**	**4'-10'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10**	**2'-4'**
Parameter	**Commercial**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/8/2010**
Semi-Volatile Target Compound List (TCL)										
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
bis(2-Chloroethyl)ether	500,000			2000 UJ			2100 UJ			
1,1-Biphenyl	500,000			2000 UJ			2100 UJ			
2-Chlorophenol	500,000			2000 UJ			2100 UJ			
1,3-Dichlorobenzene	280,000			2000 UJ			2100 UJ			
1,4-Dichlorobenzene	130,000			2000 UJ			2100 UJ			
1,2-Dichlorobenzene	500,000			2000 UJ			2100 UJ			
2-Methylphenol	500,000			2000 UJ			2100 UJ			
N-Nitroso-di-N-propylamine	500,000			2000 UJ			2100 UJ			
Hexachloroethane	500,000			2000 UJ			2100 UJ			
Nitrobenzene	500,000			2000 UJ			2100 UJ			
Isophorone	500,000			2000 UJ			2100 UJ			
2-Nitrophenol	500,000			2000 UJ			2100 UJ			
2,4-Dimethylphenol	500,000			2000 UJ			2100 UJ			
bis(2-Chloroethoxy)methane	500,000			2000 UJ			2100 UJ			
2,4-Dichlorophenol	500,000			2000 UJ			2100 UJ			
1,2,4-Trichlorobenzene	500,000			2000 UJ			2100 UJ			
Naphthalene	500,000			2000 UJ			2100 UJ			
4-Chloroaniline	500,000			2000 UJ			2100 UJ			
Hexachlorobutadiene	500,000			2000 UJ			2100 UJ			
4-Chloro-3-methylphenol	500,000			2000 UJ			2100 UJ			
2-Methylnaphthalene	500,000			2000 UJ			2100 UJ			
Hexachlorocyclopentadiene	500,000			2000 UJ			2100 UJ			
2,4,6-Trichlorophenol	500,000			3900 UJ			4100 UJ			
2,4,5-Trichlorophenol	500,000			2000 UJ			2100 UJ			
2-Chloronaphthalene	500,000			3900 UJ			4100 UJ			
2-Nitroaniline	500,000			2000 UJ			2100 UJ			
Dimethylphthalate	500,000			2000 UJ			2100 UJ			
Acenaphthylene	500,000			2000 UJ			2100 UJ			
2,6-Dinitrotoluene	500,000			3900 UJ			4100 UJ			
3-Nitroaniline	500,000			2000 UJ			2100 UJ			
Acenaphthene	500,000			3900 U			4100 UJ			
2,4-Dinitrophenol	500,000			3900 UJ			4100 UJ			
4-Nitrophenol	500,000			2000 UJ			2100 UJ			
Dibenzofuran	500,000			2000 UJ			2100 UJ			
2,4-Dinitrotoluene	500,000			2000 UJ			2100 UJ			
Diethylphthalate	500,000			2000 UJ			2100 UJ			
4-Chlorophenyl-phenylether	500,000			2000 UJ			2100 UJ			
Fluorene	500,000			3900 UJ			4100 UJ			
4-Nitroaniline	500,000			3900 UJ			4100 UJ			
2,6-Dinitro-2-methylphenol	500,000			2000 UJ			2100 UJ			
N-Nitrosodiphenylamine	500,000			2000 UJ			2100 UJ			
4-Bromophenyl-phenylether	500,000			2000 UJ			2100 UJ			
Hexachlorobenzene	500,000			3900 UJ			4100 UJ			
Pentachlorophenol	6,700			2000 UJ			2100 UJ			
Phenanthrene	500,000			2000 UJ			530 JD			
Anthracene	500,000			2000 UJ			2100 UJ			
Carbazole	500,000			2000 UJ			2100 UJ			
Di-n-butyl phthalate	500,000			2000 UJ			2100 UJ			
Fluoranthene	500,000			2000 UJ			1000 JD			
Pyrene	500,000			2000 UJ			700 JD			
Butyl benzyl phthalate	500,000			2000 UJ			2100 UJ			
3,3'-Dichlorobenzidine	500,000			2000 UJ			2100 UJ			
Benz[a]anthracene	5,600			2000 UJ			2100 UJ			
Chrysene	56,000			2000 UJ			2100 UJ			
bis(2-Ethylhexyl)phthalate	500,000			2000 UJ			2100 UJ			
Di-n-octyl phthalate	500,000			2000 UJ			2100 UJ			
Benzo[b]fluoranthene	5,600			2000 UJ			2100 UJ			
Benzo[k]fluoranthene	56,000			2000 UJ			2100 UJ			
Benzo[a]pyrene	1,000			2000 UJ			2100 UJ			
Indeno(1,2,3-cd)pyrene	5,600			2000 UJ			2100 UJ			
Dibenz[a,h]anthracene	560			2000 UJ			2100 UJ			
Benzo[g,h,i]perylene	500,000			2000 UJ			2100 UJ			
(3+4)-Methylphenol	500,000			2000 UJ			2100 UJ			
bis(2-Chloroisopropyl)ether	500,000			2000 UJ			2100 UJ			
Atrazine	500,000			2000 UJ			2100 UJ			
Benzaldehyde	500,000			2000 U			2100 U			
Biphenyl	500,000			2000 UJ			2100 UJ			
Acetophenone	500,000			2000 UJ			2100 UJ			
1,2,4,5-Tetrachlorobenzene	500,000			2000 UJ			2100 UJ			
Caprolactam	500,000			2000 UJ			2100 UJ			
TIC's				ND			ND			

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	6NYCRR	CCEX 10.2	CCEX 10.2	CCEX 10.2	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.4
	Part 375 SCO	8'-10'	10'-12'	4'-10'	0-2'	2'-4'	4'-6'	6'-8'	8'-10	2'-4'
Parameter	Commercial	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/8/2010
TAL Metals										
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Mercury	2.8			0.143			0.0895			
Aluminum	10,000			8130			7050			
Antimony	10,000			11.8 U			12.3 U			
Arsenic	16			11.8 U			12.3 U			
Barium	400			11.8 U			114			
Beryllium	590			0.705 U			0.738 U			
Cadmium	9.3			7.26			7.05			
Calcium	10,000			4340			2480			
Chromium	400			18.8			8.46			
Cobalt	10,000			6.62			4.92 U			
Copper	270			27.5 J			19 J			
Iron	10,000			15200			12700			
Lead	1,000			68			21.6			
Magnesium	10,000			3100			1830			
Manganese	10,000			564 J			292 J			
Nickel	310			17			12.5			
Potassium	10,000			636			615 U			
Selenium	1,500			7.05 U			7.38 U			
Silver	1,500			2.35 U			2.46 U			
Sodium	10,000			588 U			615 U			
Thallium	10,000			7.05 U			7.38 U			
Vanadium	10,000			11.5			8.79			
Zinc	10,000			40.1 J			17.8 J			
Cyanide	27			1.18 UJ			1.23 UJ			

PCBs										
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	1,000			39 UJ			41 UJ			
Aroclor 1221	1,000			39 UJ			41 UJ			
Aroclor 1232	1,000			39 UJ			41 UJ			
Aroclor 1242	1,000			39 UJ			41 UJ			
Aroclor 1248	1,000			39 UJ			41 UJ			
Aroclor 1254	1,000			39 UJ			41 UJ			
Aroclor 1260	1,000			39 UJ			41 UJ			

Notes:
Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum or
6NYCRR Part 375 Soil Cleanup Objective for Unrestricted Use
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration
R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**
	Part 375 SCO	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**8'-12'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
Parameter	**Commercial**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**
Volatile Target Compound List (TCL)											
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,2,3-Trichlorobenzene	500,000	6.0 UJ	5.9 UJ	570 UJ	12 UJ		5.2 U	5.3 U	5.3 UJ	620 UJ	5.6 U
1,2,4-Trichlorobenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,2,4-Trimethylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,2-Dibromo-3-chloropropane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,2-Dibromomethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,2-Dichlorobenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,3,5-trimethylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,3-Dichlorobenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,4-Dichlorobenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,4-Dioxane	500,000	R	R	R	R		R	R	R	R	R
Bromochloromethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Cyclohexane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Dichlorodifluoromethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Freon-113	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Isopropylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Methyl acetate	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
methyl tert-butyl ether	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Methylcyclohexane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
n-Butylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
n-Propylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
sec-Butylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
tert-Butylbenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Trichlorofluoromethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Chloromethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Vinyl chloride	13,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Bromomethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Chloroethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Acetone	500,000	12 U	12 U	1100 U	25 U		10 U	11 U	11 U	1200 U	11 U
1,1-Dichloroethene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Carbon disulfide	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Methylene chloride	500,000	6.0 U	5.9 U	570 U	12 U		5.2 UJ	5.3 UJ	5.3 U	620 U	5.6 UJ
trans-1,2-Dichloroethene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,1-Dichloroethane	240,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
2-Butanone (MEK)	500,000	12 U	12 U	1100 U	25 U		10 U	11 U	11 U	1200 U	11 U
cis-1,2-Dichloroethene	500,000	6.0 U	5.9 U	570 U	10J		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Chloroform	350,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,1,1-Trichloroethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Carbon tetrachloride	22,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Benzene	44,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,2-Dichloroethane	30,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Trichloroethene	200,000	6.0 U	5.9 U	570 U	14		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,2-Dichloropropane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Bromodichloromethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
4-Methyl-2-pentanone	500,000	12 U	12 U	1100 U	25 U		10 U	11 U	11 U	1200 U	11 U
cis-1,3-Dichloropropene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Toluene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
trans-1,3-Dichloropropene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,1,2-Trichloroethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
2-Hexanone	500,000	12 U	12 U	1100 U	25 U		10 U	11 U	11 U	1200 U	11 U
Tetrachloroethene	150,000	23	8.8	1900	370		10	17	14	1100	15
Dibromochloromethane	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Chlorobenzene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Ethylbenzene	390,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
m,p-Xylenes	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
o-Xylene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Styrene	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
Bromoform	500,000	6.0 U	5.9 U	570 U	12 U		5.2 U	5.3 U	5.3 U	620 U	5.6 U
1,1,2,2-Tetrachloroethane	500,000	6.0 U	5.9 U	570 U	ND		5.2 U	5.3 U	5.3 U	620 U	5.6 U
TIC's		ND	ND	ND	ND		ND	ND	ND	ND	ND

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**
	Part 375 SCO	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**8'-12'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
Parameter	**Commercial**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**
Semi-Volatile Target Compound List (TCL)											
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
bis(2-Chloroethyl)ether	500,000					1900 U					
1,1-Biphenyl	500,000					1900 U					
2-Chlorophenol	500,000					1900 U					
1,3-Dichlorobenzene	280,000					1900 U					
1,4-Dichlorobenzene	130,000					1900 U					
1,2-Dichlorobenzene	500,000					1900 U					
2-Methylphenol	500,000					1900 U					
N-Nitroso-di-N-propylamine	500,000					1900 U					
Hexachloroethane	500,000					1900 U					
Nitrobenzene	500,000					1900 U					
Isophorone	500,000					1900 U					
2-Nitrophenol	500,000					1900 U					
2,4-Dimethylphenol	500,000					1900 U					
bis(2-Chloroethoxy)methane	500,000					1900 U					
2,4-Dichlorophenol	500,000					1900 U					
1,2,4-Trichlorobenzene	500,000					1900 U					
Naphthalene	500,000					1900 U					
4-Chloroaniline	500,000					1900 U					
Hexachlorobutadiene	500,000					1900 U					
4-Chloro-3-methylphenol	500,000					1900 U					
2-Methylnaphthalene	500,000					1900 U					
Hexachlorocyclopentadiene	500,000					1900 U					
2,4,6-Trichlorophenol	500,000					1900 U					
2,4,5-Trichlorophenol	500,000					3800 U					
2-Chloronaphthalene	500,000					1900 U					
2-Nitroaniline	500,000					3800 U					
Dimethylphthalate	500,000					1900 U					
Acenaphthylene	500,000					1900 U					
2,6-Dinitrotoluene	500,000					1900 U					
3-Nitroaniline	500,000					3800 U					
Acenaphthene	500,000					1900 U					
2,4-Dinitrophenol	500,000					3800 U					
4-Nitrophenol	500,000					3800 U					
Dibenzofuran	500,000					1900 U					
2,4-Dinitrotoluene	500,000					1900 U					
Diethylphthalate	500,000					1900 U					
4-Chlorophenyl-phenylether	500,000					1900 U					
Fluorene	500,000					1900 U					
4-Nitroaniline	500,000					3800 UJ					
2,6-Dinitro-2-methylphenol	500,000					3800 U					
N-Nitrosodiphenylamine	500,000					1900 U					
4-Bromophenyl-phenylether	500,000					1900 U					
Hexachlorobenzene	500,000					1900 U					
Pentachlorophenol	6,700					3800 UJ					
Phenanthrene	500,000					1900 U					
Anthracene	500,000					1900 U					
Carbazole	500,000					1900 U					
Di-n-butyl phthalate	500,000					1900 U					
Fluoranthene	500,000					1900 U					
Pyrene	500,000					1900 U					
Butyl benzyl phthalate	500,000					1900 U					
3,3'-Dichlorobenzidine	500,000					1900 U					
Benz[a]anthracene	5,600					1900 U					
Chrysene	56,000					1900 U					
bis(2-Ethylhexyl)phthalate	500,000					1900 U					
Di-n-octyl phthalate	500,000					1900 U					
Benzo[b]fluoranthene	5,600					1900 U					
Benzo[k]fluoranthene	56,000					1900 U					
Benzo[a]pyrene	1,000					1900 U					
Indeno(1,2,3-cd)pyrene	5,600					1900 U					
Dibenz[a,h]anthracene	560					1900 U					
Benzo[g,h,i]perylene	500,000					1900 U					
(3+4)-Methylphenol	500,000					1900 U					
bis(2-Chloroisopropyl)ether	500,000					1900 U					
Atrazine	500,000					1900 U					
Benzaldehyde	500,000					1900 U					
Biphenyl	500,000					1900 U					
Acetophenone	500,000					1900 U					
1,2,4,5-Tetrachlorobenzene	500,000					1900 U					
Caprolactam	500,000					1900 U					
TIC's						ND					

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCEX 10.4**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.1**
	Part 375 SCO	**4'-6'**	**6'-8'**	**6'-8'**	**10'-12'**	**8'-12'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
Parameter	**Commercial**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**
TAL Metals											
Unit	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Mercury	2.8					0.203					
Aluminum	10,000					7,220					
Antimony	10,000					11.4 U					
Arsenic	16					11.4 U					
Barium	400					127					
Beryllium	590					0.683 U					
Cadmium	9.3					6.76					
Calcium	10,000					19,700					
Chromium	400					10.4					
Cobalt	10,000					6.09					
Copper	270					20.4 J					
Iron	10,000					13,600					
Lead	1,000					49.2					
Magnesium	10,000					4,980					
Manganese	10,000					551 J					
Nickel	310					15.2					
Potassium	10,000					845					
Selenium	1,500					6.83 U					
Silver	1,500					2.28 U					
Sodium	10,000					569 U					
Thallium	10,000					6.83 U					
Vanadium	10,000					9.84					
Zinc	10,000					22.4 J					
Cyanide	27					11.4 UJ					

PCBs											
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Aroclor 1016	1,000					38 U					
Aroclor 1221	1,000					38 U					
Aroclor 1232	1,000					38 U					
Aroclor 1242	1,000					38 U					
Aroclor 1248	1,000					38 U					
Aroclor 1254	1,000					38 U					
Aroclor 1260	1,000					38 U					

Notes:
Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum or
6NYCRR Part 375 Soil Cleanup Objective for Unrestricted Use
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration
R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	6NYCRR	CCIN 10.1	CCIN 10.1	CCIN 10.3	CCIN 10.3	CCIN 10.3	CCIN 10.3	CCIN 10.3	CCIN 10.4	CCIN 10.4	CCIN 10.4
	Part 375 SCO	10'-12'	2'-8'	0-2'	2'-4'	4'-6'	6'-7.5	2'-7.5'	0-2'	2'-4'	4'-6'
Parameter	Commercial	7/8/2010	7/8/2010	7/9/2010	7/9/2010	7/9/2010	7/9/2010	7/9/2010	7/9/2010	7/9/2010	7/9/2010
Volatile Target Compound List (TCL)											
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,2,3-Trichlorobenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 UJ		5.4 U	5.4 U	5.4 U
1,2,4-Trichlorobenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,2,4-Trimethylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,2-Dibromo-3-chloropropane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,2-Dibromomethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,2-Dichlorobenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,3,5-trimethylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,3-Dichlorobenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,4-Dichlorobenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,4-Dioxane	500,000	R		R	R	R	R		R	R	R
Bromochloromethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Cyclohexane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Dichlorodifluoromethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Freon-113	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Isopropylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Methyl acetate	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
methyl tert-butyl ether	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Methylcyclohexane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
n-Butylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
n-Propylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
sec-Butylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
tert-Butylbenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Trichlorofluoromethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Chloromethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Vinyl chloride	13,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Bromomethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Chloroethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Acetone	500,000	12 U		11 U	11 U	11 U	1100 U		11 U	11 U	11 U
1,1-Dichloroethene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Carbon disulfide	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Methylene chloride	500,000	6.0 UJ		5.3 UJ	5.4 UJ	5.5 UJ	560 U		5.4 UJ	5.4 UJ	5.4 UJ
trans-1,2-Dichloroethene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,1-Dichloroethane	240,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
2-Butanone (MEK)	500,000	12 U		11 U	11 U	11 U	1100 U		11 U	11 U	11 U
cis-1,2-Dichloroethene	500,000	3J		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Chloroform	350,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,1,1-Trichloroethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Carbon tetrachloride	22,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Benzene	44,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,2-Dichloroethane	30,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Trichloroethene	200,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,2-Dichloropropane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Bromodichloromethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
4-Methyl-2-pentanone	500,000	12 U		11 U	11 U	11 U	1100 U		11 U	11 U	11 U
cis-1,3-Dichloropropene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Toluene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
trans-1,3-Dichloropropene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,1,2-Trichloroethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
2-Hexanone	500,000	12 U		11 U	11 U	11 U	1100 U		11 U	11 U	11 U
Tetrachloroethene	150,000	72		4J	5J	5.7	1100		23	5J	7.9
Dibromochloromethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Chlorobenzene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Ethylbenzene	390,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
m,p-Xylenes	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
o-Xylene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Styrene	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
Bromoform	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
1,1,2,2-Tetrachloroethane	500,000	6.0 U		5.3 U	5.4 U	5.5 U	560 U		5.4 U	5.4 U	5.4 U
TIC's		ND		ND	ND	ND	ND		ND	ND	ND

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.4**	**CCIN 10.4**	**CCIN 10.4**
	Part 375 SCO	**10'-12'**	**2'-8'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-7.5**	**2'-7.5'**	**0-2'**	**2'-4'**	**4'-6'**
Parameter	**Commercial**	**7/8/2010**	**7/8/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**
Semi-Volatile Target Compound List (TCL)											
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
bis(2-Chloroethyl)ether	500,000		1800 U					1800 U			
1,1-Biphenyl	500,000		1800 U					1800 U			
2-Chlorophenol	500,000		1800 U					1800 U			
1,3-Dichlorobenzene	280,000		1800 U					1800 U			
1,4-Dichlorobenzene	130,000		1800 U					1800 U			
1,2-Dichlorobenzene	500,000		1800 U					1800 U			
2-Methylphenol	500,000		1800 U					1800 U			
N-Nitroso-di-N-propylamine	500,000		1800 U					1800 U			
Hexachloroethane	500,000		1800 U					1800 U			
Nitrobenzene	500,000		1800 U					1800 U			
Isophorone	500,000		1800 U					1800 U			
2-Nitrophenol	500,000		1800 U					1800 U			
2,4-Dimethylphenol	500,000		1800 U					1800 U			
bis(2-Chloroethoxy)methane	500,000		1800 U					1800 U			
2,4-Dichlorophenol	500,000		1800 U					1800 U			
1,2,4-Trichlorobenzene	500,000		1800 U					1800 U			
Naphthalene	500,000		1800 U					1800 U			
4-Chloroaniline	500,000		1800 U					1800 U			
Hexachlorobutadiene	500,000		1800 U					1800 U			
4-Chloro-3-methylphenol	500,000		1800 U					1800 U			
2-Methylnaphthalene	500,000		1800 U					1800 U			
Hexachlorocyclopentadiene	500,000		1800 UJ					1800 U			
2,4,6-Trichlorophenol	500,000		1800 UJ					1800 U			
2,4,5-Trichlorophenol	500,000		3600 UJ					3600 U			
2-Chloronaphthalene	500,000		1800 UJ					1800 U			
2-Nitroaniline	500,000		3600 UJ					3600 U			
Dimethylphthalate	500,000		1800 UJ					1800 U			
Acenaphthylene	500,000		1800 UJ					1800 U			
2,6-Dinitrotoluene	500,000		1800 UJ					1800 U			
3-Nitroaniline	500,000		3600 UJ					3600 UJ			
Acenaphthene	500,000		1800 UJ					1800 U			
2,4-Dinitrophenol	500,000		3600 UJ					3600 U			
4-Nitrophenol	500,000		3600 UJ					3600 U			
Dibenzofuran	500,000		1800 U					1800 U			
2,4-Dinitrotoluene	500,000		1800 U					1800 U			
Diethylphthalate	500,000		1800 U					1800 U			
4-Chlorophenyl-phenylether	500,000		1800 U					1800 U			
Fluorene	500,000		1800 UJ					1800 U			
4-Nitroaniline	500,000		3600 UJ					3600 UJ			
2,6-Dinitro-2-methylphenol	500,000		3600 U					3600 U			
N-Nitrosodiphenylamine	500,000		1800 U					1800 U			
4-Bromophenyl-phenylether	500,000		1800 U					1800 U			
Hexachlorobenzene	500,000		1800 UJ					1800 U			
Pentachlorophenol	6,700		3600 UJ					3600 UJ			
Phenanthrene	500,000		1800 UJ					1800 U			
Anthracene	500,000		1800 UJ					1800 U			
Carbazole	500,000		1800 UJ					1800 U			
Di-n-butyl phthalate	500,000		1800 UJ					1800 U			
Fluoranthene	500,000		1800 UJ					1800 U			
Pyrene	500,000		1800 UJ					1800 U			
Butyl benzyl phthalate	500,000		1800 UJ					1800 U			
3,3'-Dichlorobenzidine	500,000		1800 UJ					1800 U			
Benz[a]anthracene	5,600		1800 UJ					1800 U			
Chrysene	56,000		1800 U					1800 U			
bis(2-Ethylhexyl)phthalate	500,000		1800 UJ					1800 U			
Di-n-octyl phthalate	500,000		1800 UJ					1800 U			
Benzo[b]fluoranthene	5,600		1800 UJ					1800 U			
Benzo[k]fluoranthene	56,000		1800 UJ					1800 U			
Benzo[a]pyrene	1,000		1800 UJ					1800 U			
Indeno(1,2,3-cd)pyrene	5,600		1800 UJ					1800 U			
Dibenz[a,h]anthracene	560		1800 UJ					1800 U			
Benzo[g,h,i]perylene	500,000		1800 UJ					1800 U			
(3+4)-Methylphenol	500,000		1800 UJ					1800 U			
bis(2-Chloroisopropyl)ether	500,000		1800 UJ					1800 U			
Atrazine	500,000		1800 U					1800 U			
Benzaldehyde	500,000		1800 U					1800 U			
Biphenyl	500,000		1800 U					1800 U			
Acetophenone	500,000		1800 U					1800 U			
1,2,4,5-Tetrachlorobenzene	500,000		1800 U					1800 U			
Caprolactam	500,000		1800 U					1800 U			
TIC's			ND					ND			

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCIN 10.1**	**CCIN 10.1**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.3**	**CCIN 10.4**	**CCIN 10.4**	**CCIN 10.4**
	Part 375 SCO	**10'-12'**	**2'-8'**	**0-2'**	**2'-4'**	**4'-6'**	**6'-7.5**	**2'-7.5'**	**0-2'**	**2'-4'**	**4'-6'**
Parameter	**Commercial**	**7/8/2010**	**7/8/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**	**7/9/2010**
TAL Metals											
Unit	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Mercury	2.8		0.0565					0.0539 U			
Aluminum	10,000		7780					6560			
Antimony	10,000		10.9 U					10.8 U			
Arsenic	16		10.9 U					10.8 U			
Barium	400		102					86.8			
Beryllium	590		0.652 U					0.646 U			
Cadmium	9.3		8.02					6.36			
Calcium	10,000		22800					39300			
Chromium	400		9.21					8.84			
Cobalt	10,000		6.07					6.07			
Copper	270		23.4 J					21.4 J			
Iron	10,000		16000					13400			
Lead	1,000		23.2					10.9			
Magnesium	10,000		4730					10300			
Manganese	10,000		432 J					458 J			
Nickel	310		16.1					16.6			
Potassium	10,000		892					861			
Selenium	1,500		6.52 U					0.646 U			
Silver	1,500		2.17 U					2.15 U			
Sodium	10,000		543 U					539 U			
Thallium	10,000		6.52 U					6.46 U			
Vanadium	10,000		9.18					8.33			
Zinc	10,000		19.9 J					19.2 J			
Cyanide	27		10.9 UJ					10.8 UJ			

PCBs											
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Aroclor 1016	1,000		180 U					180 U			
Aroclor 1221	1,000		180 U					180 U			
Aroclor 1232	1,000		180 U					180 U			
Aroclor 1242	1,000		180 U					180 U			
Aroclor 1248	1,000		100 J					440 J			
Aroclor 1254	1,000		180 U					180 U			
Aroclor 1260	1,000		180 U					180 U			

Notes:
Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum or
6NYCRR Part 375 Soil Cleanup Objective for Unrestricted Use
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration
R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCIN 10.4**	**CCIN 10.4**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**
	Part 375 SCO	**0-7.5**	**6'-7.5'**	**1.5'-2'**	**2'-4'**	**4'-6'**	**6'-7.8'**	**2'-7.8'**
Parameter	**Commercial**	**7/9/2010**	**7/9/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**
Volatile Target Compound List (TCL)								
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
1,2,3-Trichlorobenzene	500,000		5.5 U	5.5 UJ	5.4 UJ	5.4 U	5.5 U	
1,2,4-Trichlorobenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,2,4-Trimethylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,2-Dibromo-3-chloropropane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,2-Dibromomethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,2-Dichlorobenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	`
1,3,5-trimethylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,3-Dichlorobenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,4-Dichlorobenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,4-Dioxane	500,000		R	R	R	R	R	
Bromochloromethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Cyclohexane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Dichlorodifluoromethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Freon-113	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Isopropylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Methyl acetate	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
methyl tert-butyl ether	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Methylcyclohexane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
n-Butylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
n-Propylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
sec-Butylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
tert-Butylbenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Trichlorofluoromethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Chloromethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Vinyl chloride	13,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Bromomethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Chloroethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Acetone	500,000		11 U	11 U	11 U	11 U	11 U	
1,1-Dichloroethene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Carbon disulfide	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Methylene chloride	500,000		5.5 UJ	5.5 U	5.4 U	5.4 UJ	5.5 UJ	
trans-1,2-Dichloroethene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,1-Dichloroethane	240,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
2-Butanone (MEK)	500,000		11 U	11 U	11 U	11 U	11 U	
cis-1,2-Dichloroethene	500,000		4J	5.5 U	5.4 U	5.4 U	5.5 U	
Chloroform	350,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,1,1-Trichloroethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Carbon tetrachloride	22,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Benzene	44,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,2-Dichloroethane	30,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Trichloroethene	200,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,2-Dichloropropane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Bromodichloromethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
4-Methyl-2-pentanone	500,000		11 U	11 U	11 U	11 U	11 U	
cis-1,3-Dichloropropene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Toluene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
trans-1,3-Dichloropropene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,1,2-Trichloroethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
2-Hexanone	500,000		11 U	11 U	11 U	11 U	11 U	
Tetrachloroethene	150,000		32	5.7	8.1	5J	13	
Dibromochloromethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Chlorobenzene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Ethylbenzene	390,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
m,p-Xylenes	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
o-Xylene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Styrene	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
Bromoform	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
1,1,2,2-Tetrachloroethane	500,000		5.5 U	5.5 U	5.4 U	5.4 U	5.5 U	
TIC's			ND	ND	ND	ND	ND	

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCIN 10.4**	**CCIN 10.4**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**
	Part 375 SCO	**0-7.5'**	**6'-7.5'**	**1.5'-2'**	**2'-4'**	**4'-6'**	**6'-7.8'**	**2'-7.8'**
Parameter	**Commercial**	**7/9/2010**	**7/9/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**
Semi-Volatile Target Compound List (TCL)								
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
bis(2-Chloroethyl)ether	500,000	190 U						1900 U
1,1-Biphenyl	500,000	190 U						1900 U
2-Chlorophenol	500,000	190 U						1900 U
1,3-Dichlorobenzene	280,000	190 U						1900 U
1,4-Dichlorobenzene	130,000	190 U						1900 U
1,2-Dichlorobenzene	500,000	190 U						1900 U
2-Methylphenol	500,000	190 U						1900 U
N-Nitroso-di-N-propylamine	500,000	190 U						1900 U
Hexachloroethane	500,000	190 U						1900 U
Nitrobenzene	500,000	190 U						1900 U
Isophorone	500,000	190 U						1900 U
2-Nitrophenol	500,000	190 U						1900 U
2,4-Dimethylphenol	500,000	190 U						1900 U
bis(2-Chloroethoxy)methane	500,000	190 U						1900 U
2,4-Dichlorophenol	500,000	190 U						1900 U
1,2,4-Trichlorobenzene	500,000	190 U						1900 U
Naphthalene	500,000	60 J						1900 U
4-Chloroaniline	500,000	190 U						1900 U
Hexachlorobutadiene	500,000	190 U						1900 U
4-Chloro-3-methylphenol	500,000	190 U						1900 U
2-Methylnaphthalene	500,000	60 J						1900 U
Hexachlorocyclopentadiene	500,000	190 U						1900 U
2,4,6-Trichlorophenol	500,000	190 U						1900 U
2,4,5-Trichlorophenol	500,000	360 U						3800 U
2-Chloronaphthalene	500,000	190 U						1900 U
2-Nitroaniline	500,000	360 U						3800 U
Dimethylphthalate	500,000	190 U						1900 U
Acenaphthylene	500,000	190 U						1900 U
2,6-Dinitrotoluene	500,000	190 U						1900 U
3-Nitroaniline	500,000	190 UJ						3800 UJ
Acenaphthene	500,000	190 U						1900 U
2,4-Dinitrophenol	500,000	360 U						3800 U
4-Nitrophenol	500,000	360 U						3800 UJ
Dibenzofuran	500,000	190 U						1900 U
2,4-Dinitrotoluene	500,000	190 U						1900 U
Diethylphthalate	500,000	190 U						1900 U
4-Chlorophenyl-phenylether	500,000	190 U						1900 U
Fluorene	500,000	190 U						1900 U
4-Nitroaniline	500,000	360 UJ						3800 U
2,6-Dinitro-2-methylphenol	500,000	360 U						3800 U
N-Nitrosodiphenylamine	500,000	190 U						1900 U
4-Bromophenyl-phenylether	500,000	190 U						1900 U
Hexachlorobenzene	500,000	190 U						1900 U
Pentachlorophenol	6,700	360 U						3800 UJ
Phenanthrene	500,000	40 J						1900 U
Anthracene	500,000	190 U						1900 U
Carbazole	500,000	190 U						1900 U
Di-n-butyl phthalate	500,000	190 U						1900 U
Fluoranthene	500,000	190 U						1900 U
Pyrene	500,000	190 UJ						1900 U
Butyl benzyl phthalate	500,000	40 J						1900 U
3,3'-Dichlorobenzidine	500,000	190 U						1900 U
Benz[a]anthracene	5,600	190 U						1900 U
Chrysene	56,000	190 U						1900 U
bis(2-Ethylhexyl)phthalate	500,000	190 U						1900 U
Di-n-octyl phthalate	500,000	190 U						1900 U
Benzo[b]fluoranthene	5,600	190 U						1900 U
Benzo[k]fluoranthene	56,000	190 U						1900 U
Benzo[a]pyrene	1,000	190 U						1900 U
Indeno(1,2,3-cd)pyrene	5,600	190 U						1900 U
Dibenz[a,h]anthracene	560	190 UJ						1900 U
Benzo[g,h,i]perylene	500,000	190 U						1900 U
(3+4)-Methylphenol	500,000	190 U						1900 U
bis(2-Chloroisopropyl)ether	500,000	190 U						1900 U
Atrazine	500,000	190 U						1900 U
Benzaldehyde	500,000	190 U						1900 U
Biphenyl	500,000	190 U						1900 U
Acetophenone	500,000	190 U						1900 U
1,2,4,5-Tetrachlorobenzene	500,000	190 U						1900 U
Caprolactam	500,000	190 U						1900 U
TIC's		YES						ND

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 1

TASK #1A
SOURCE AREA EVALUATION
SOIL DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	**6NYCRR**	**CCIN 10.4**	**CCIN 10.4**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**	**CCIN 10.5**
	Part 375 SCO	**0-7.5'**	**6'-7.5'**	**1.5'-2'**	**2'-4'**	**4'-6'**	**6'-7.8'**	**2'-7.8'**
Parameter	**Commercial**	**7/9/2010**	**7/9/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**	**7/8/2010**
TAL Metals								
Unit	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Mercury	2.8	0.0548 U						0.0553 U
Aluminum	10,000	6480						6340
Antimony	10,000	11.0 U						11.1 U
Arsenic	16	11.0 U						11.1 U
Barium	400	200						92.5
Beryllium	590	0.657 U						0.664 U
Cadmium	9.3	7.53						5.98
Calcium	10,000	50600						32400
Chromium	400	8.34						7.46
Cobalt	10,000	6.01						5.83
Copper	270	23.2 J						104 J
Iron	10,000	13400						13200
Lead	1,000	12.5						14.2
Magnesium	10,000	6650						8240
Manganese	10,000	479 J						483 J
Nickel	310	15.5						14.8
Potassium	10,000	904						781
Selenium	1,500	6.57 U						6.64 U
Silver	1,500	2.19 U						2.21 U
Sodium	10,000	548 U						553 U
Thallium	10,000	6.57 U						6.64 U
Vanadium	10,000	8.34						8.07
Zinc	10,000	17.7 J						15.8 J
Cyanide	27	11.0 UJ						11.1 UJ

PCBs								
Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Aroclor 1016	1,000	900 U						180 U
Aroclor 1221	1,000	900 U						180 U
Aroclor 1232	1,000	900 U						180 U
Aroclor 1242	1,000	900 U						180 U
Aroclor 1248	1,000	900 U						720 J
Aroclor 1254	1,000	900 U						180 U
Aroclor 1260	1,000	900 U						180 U

Notes:
Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum or
6NYCRR Part 375 Soil Cleanup Objective for Unrestricted Use
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration
R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 2

TASK #1A

SOURCE AREA EVALUATION

GROUNDWATER DATA SUMMARY

July 2010

NYSDEC Site No. 808034

	*NYS	CCIN 10.1	CCEX 10.1	CCEX 10.2	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.4
Sample Location	**Standard**	**11'-13'**	**1-inch Well**	**10.5'-12.5**	**10'-12.5'**	**20'-24'**	**28'-32'**	**40'-43'**	**10'-14'**
	Water	**7/8/2010**	**7/8/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/7/2010**	**7/8/2010**
Parameter									
Volatile Target Compound List (TCL)									
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	25 UJ	50 UJ	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 UJ
1,2,4-Trichlorobenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,2,4-Trimethylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,2-Dibromo-3-chloropropane	4	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,2-Dibromomethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,2-Dichlorobenzene	4.7	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,3,5-trimethylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,3-Dichlorobenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,4-Dichlorobenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,4-Dioxane	---	R	R	R	R	R	R	R	R
Bromochloromethane	50	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Cyclohexane	---	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Dichlorodifluoromethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Freon-113	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Isopropylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Methyl acetate	---	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
methyl tert-butyl ether	10	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Methylcyclohexane	---	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
n-Butylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
n-Propylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
sec-Butylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
tert-Butylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Trichlorofluoromethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Chloromethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Vinyl chloride	2	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	24 JD
Bromomethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Chloroethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Acetone	50	50 U	100 U	10 UJ	100 UJ	R	10 UJ	10 UJ	200 U
1,1-Dichloroethene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Carbon disulfide	60	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Methylene chloride	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
trans-1,2-Dichloroethene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	30 JD
1,1-Dichloroethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
2-Butanone (MEK)	50	50 U	100 U	10 UJ	100 UJ	R	10 UJ	10 UJ	200 U
cis-1,2-Dichloroethene	5	410 D	50 U	1 J	20 JD	R	2 J	1 J	2300 D
Chloroform	7	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,1,1-Trichloroethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Carbon tetrachloride	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Benzene	1	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,2-Dichloroethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Trichloroethene	5	48 D	50 U	2 J	20 JD	R	4 J	2 J	680 D
1,2-Dichloropropane	1	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Bromodichloromethane	50	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
4-Methyl-2-pentanone	---	50 U	100 U	10 UJ	100 UJ	R	10 UJ	10 UJ	200 U
cis-1,3-Dichloropropene	0.4	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Toluene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
trans-1,3-Dichloropropene	0.4	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,1,2-Trichloroethane	1	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
2-Hexanone	50	50 U	100 U	10 UJ	100 UJ	R	10 UJ	10 UJ	200 U
Tetrachloroethene	5	25 D	830 D	30 J	1200 JD	R	140 J	39 J	3800 D
Dibromochloromethane	50	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Chlorobenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Ethylbenzene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
m,p-Xylenes	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
o-Xylene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Styrene	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
Bromoform	50	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
1,1,2,2-Tetrachloroethane	5	25 U	50 U	5.0 UJ	50 UJ	R	5.0 UJ	5.0 UJ	100 U
TIC's		ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Highlighed value exceedsS NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

J - Indicates that the associated numerical value is an estimated concentration

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 2

TASK #1A
SOURCE AREA EVALUATION
GROUNDWATER DATA SUMMARY
July 2010
NYSDEC Site No. 808034

	*NYS	CCIN 10.1	CCEX 10.1	CCEX 10.2	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.4
Sample Location	**Standard**	**11'-13'**	**1-inch Well**	**10.5'-12.5**	**10'-12.5'**	**20'-24'**	**28'-32'**	**40'-43'**	**10'-14'**
	Water	**8/7/2010**	**7/8/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/6/2010**	**7/7/2010**	**7/7/2010**
Parameter									
Semi-Volatile Target Compound List (TCL)									
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
bis(2-Chloroethyl)ether	1		5.0 U		5.0 UJ				
1,1-Biphenyl	5		5.0 U		5.0 UJ				
2-Chlorophenol	50		5.0 U		5.0 UJ				
1,3-Dichlorobenzene	3		5.0 U		5.0 UJ				
1,4-Dichlorobenzene	3		5.0 U		5.0 UJ				
1,2-Dichlorobenzene	3		5.0 U		5.0 UJ				
2-Methylphenol	5		5.0 U		5.0 UJ				
N-Nitroso-di-N-propylamine	--		5.0 U		5.0 UJ				
Hexachloroethane	5		5.0 U		5.0 UJ				
Nitrobenzene	0.4		5.0 U		5.0 UJ				
Isophorone	50		5.0 U		5.0 UJ				
2-Nitrophenol	3		5.0 U		5.0 UJ				
2,4-Dimethylphenol	50		5.0 U		5.0 UJ				
bis(2-Chloroethoxy)methane	5		5.0 U		5.0 UJ				
2,4-Dichlorophenol	1		5.0 U		5.0 UJ				
1,2,4-Trichlorobenzene	5		5.0 U		5.0 UJ				
Naphthalene	10		5.0 U		5.0 UJ				
4-Chloroaniline	5		5.0 U		5.0 UJ				
Hexachlorobutadiene	0.5		5.0 U		5.0 UJ				
4-Chloro-3-methylphenol	5		5.0 U		5.0 UJ				
2-Methylnaphthalene	42		5.0 U		5.0 UJ				
Hexachlorocyclopentadiene	5		5.0 U		5.0 UJ				
2,4,6-Trichlorophenol	--		5.0 U		5.0 UJ				
2,4,5-Trichlorophenol	--		10.0 U		10.0 UJ				
2-Chloronaphthalene	10		5.0 U		5.0 UJ				
2-Nitroaniline	5		10.0 U		10.0 UJ				
Dimethylphthalate	50		5.0 U		5.0 UJ				
Acenaphthylene	20		5.0 U		5.0 UJ				
2,6-Dinitrotoluene	5		5.0 U		5.0 UJ				
3-Nitroaniline	5		10.0 U		10.0 UJ				
Acenaphthene	20		5.0 U		5.0 UJ				
2,4-Dinitrophenol	5		10.0 U		10.0 UJ				
4-Nitrophenol	5		10.0 U		10.0 UJ				
Dibenzofuran	--		5.0 U		5.0 UJ				
2,4-Dinitrotoluene	5		5.0 U		5.0 UJ				
Diethylphthalate	50		5.0 U		5.0 UJ				
4-Chlorophenyl-phenylether	--		5.0 U		5.0 UJ				
Fluorene	50		5.0 U		5.0 UJ				
4-Nitroaniline	5		10.0 U		10.0 UJ				
2,6-Dinitro-2-methylphenol	--		10.0 U		10.0 UJ				
N-Nitrosodiphenylamine	50		5.0 U		5.0 UJ				
4-Bromophenyl-phenylether	--		5.0 U		5.0 UJ				
Hexachlorobenzene	0.04		5.0 U		5.0 UJ				
Pentachlorophenol	1		10.0 UJ		10.0 UJ				
Phenanthrene	50		5.0 U		5.0 UJ				
Anthracene	50		5.0 U		5.0 UJ				
Carbazole	--		5.0 U		5.0 UJ				
Di-n-butyl phthalate	50		5.0 U		5.0 UJ				
Fluoranthene	50		5.0 U		5.0 UJ				
Pyrene	50		5.0 UJ		5.0 UJ				
Butyl benzyl phthalate	50		5.0 U		5.0 UJ				
3,3'-Dichlorobenzidine	5		5.0 U		5.0 UJ				
Benz[a]anthracene	0.002		5.0 U		5.0 UJ				
Chrysene	0.002		5.0 U		5.0 UJ				
bis(2-Ethylhexyl)phthalate	5		5.0 U		5.0 U				
Di-n-octyl phthalate	50		5.0 U		5.0 UJ				
Benzo[b]fluoranthene	0.002		5.0 U		5.0 UJ				
Benzo[k]fluoranthene	0.002		5.0 U		5.0 UJ				
Benzo[a]pyrene	0.002		5.0 U		5.0 UJ				
Indeno(1,2,3-cd)pyrene	0.002		5.0 UJ		5.0 UJ				
Dibenz[a,h]anthracene	--		5.0 U		5.0 UJ				
Benzo[g,h,i]perylene	5		5.0 U		5.0 UJ				
(3+4)-Methylphenol			5.0 U		5.0 UJ				
bis(2-Chloroisopropyl)ether	--		5.0 U		5.0 UJ				
Atrazine	7.5		5.0 U		5.0 UJ				
Benzaldehyde	--		5.0 U		5.0 U				
Biphenyl	5		5.0 U		5.0 UJ				
Acetophenone	--		5.0 U		5.0 UJ				
1,2,4,5-Tetrachlorobenzene	5		5.0 U		5.0 UJ				
Caprolactam	--		5.0 U		4 J				
TIC's			ND		Yes				

Notes:
Highlighed value exceedsS NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 2

TASK #1A
SOURCE AREA EVALUATION
GROUNDWATER DATA SUMMARY
July 2010
NYSDEC Site No. 808034

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 2

TASK #1A
SOURCE AREA EVALUATION
GROUNDWATER DATA SUMMARY
July 2010
NYSDEC Site No. 808034

Sample Location	*NYS	CCIN 10.1	CCEX 10.1	CCEX 10.2	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.3	CCEX 10.4
	Standard	11'-13'	1-inch Well	10.5'-12.5	10'-12.5'	20'-24'	28'-32'	40'-43'	10'-14'
Parameter	Water	8/7/2010	7/8/2010	7/6/2010	7/6/2010	7/6/2010	7/6/2010	7/7/2010	7/7/2010
TAL Metals									
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Mercury	0.7		0.272 J		0.397 J				
Aluminum	100		27700 J		38300 J				
Antimony	3		5.0 U		5.0 U				
Arsenic	25		5.0 U		5.7				
Barium	100		571		768				
Beryllium	30		3.00 U		3.00 U				
Cadmium	5		26.1		25.9				
Calcium	--		84300		80100				
Chromium	50		32.3		39.4				
Cobalt	5		20.0 U		20.9				
Copper	200		80.4		101				
Iron	300		35200 J		45500 J				
Lead	25		34		47				
Magnesium	35,000		21700		16000				
Manganese	300		6400 J		3710 J				
Nickel	100		41.8		62.2				
Potassium	--		11000		15900				
Selenium	10		3.5		9.5				
Silver	50		R		R				
Sodium	--		180000		341000				
Thallium	5		3.0 U		3.0 U				
Vanadium	14		36.6		40.9				
Zinc	2,000		112 J		170 J				
Cyanide	200		10.0 U		10.0 U				

PCBs									
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor 1016	100		1.0 U		1.0 UJ				
Aroclor 1221	100		1.0 U		1.0 UJ				
Aroclor 1232	100		1.0 U		1.0 UJ				
Aroclor 1242	100		1.0 U		1.0 UJ				
Aroclor 1248	100		1.0 U		1.0 UJ				
Aroclor 1254	100		1.0 U		1.0 UJ				
Aroclor 1260	100		1.0 U		1.0 UJ				

Notes:
Highlighed value exceedsS NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum
TIC's - Tentatively Identified Compounds
U - Constituent not detected at a concentration above the reported detection limit
D - Compound quantitated using a secondary dilution
J - Indicates that the associated numerical value is an estimated concentration
R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	GW-1	OFDP 10.1	OFDP 10.1	OFDP 10.2	OFDP 10.3	OFDP 10.3	OFDP 10.3	OFDP 10.4	OFDP 10.4
Sample Location	**Standard**	**40'-44'**	**25'-28'**	**46'-50'**	**37'-41'**	**14'-18'**	**24'-28'**	**36'-40'**	**11'-15'**	**26'-30'**
	Water	**11/3/2010**	**11/4/2010**	**11/4/2010**	**11/5/2010**	**11/8/2010**	**11/8/2010**	**11/8/2010**	**11/8/2010**	**11/8/2010**
Parameter										
Volatile Target Compound List (TCL)										
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,2,4-Trichlorobenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,2,4-Trimethylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,2-Dibromo-3-chloropropane	4	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,2-Dibromomethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,2-Dichlorobenzene	4.7	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,3,5-Trimethylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,3-Dichlorobenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,4-Dichlorobenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,4-Dioxane	---	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 U	100 UJ	100 U
Bromochloromethane	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Cyclohexane	---	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Dichlorodifluoromethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Freon-113	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Isopropylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Methyl acetate	---	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
methyl tert-butyl ether	10	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	19 J	89 J	2 J	6.0 J	28
Methylcyclohexane	---	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
n-Butylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
n-Propylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
sec-Butylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
tert-Butylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Trichlorofluoromethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Chloromethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Vinyl chloride	2	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	10 J	5.0 U	5.0 UJ	5.0 U
Bromomethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Chloroethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Acetone	50	10 UJ	10 UJ	13 J	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
1,1-Dichloroethene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Carbon disulfide	60	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Methylene chloride	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
trans-1,2-Dichloroethene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,1-Dichloroethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
2-Butanone (MEK)	50	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
cis-1,2-Dichloroethene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	28 J	400 DJ	2 J	5 J	30
Chloroform	7	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,1,1-Trichloroethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Carbon tetrachloride	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Benzene	1	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	4 J	5.0 U	5.0 UJ	5.0 U
1,2-Dichloroethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Trichloroethene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	6.6 J	49 J	5.0 U	5.0 UJ	6.8
1,2-Dichloropropane	1	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Bromodichloromethane	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
4-Methyl-2-pentanone	---	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
cis-1,3-Dichloropropene	0.4	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Toluene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
trans-1,3-Dichloropropene	0.4	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,1,2-Trichloroethane	1	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
2-Hexanone	50	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 J
Tetrachloroethene	5	5.0 UJ	5.0 UJ	5.0 UJ	3 J	54 J	170 J	5.0	6.9 J	98
Dibromochloromethane	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Chlorobenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Ethylbenzene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
m,p-Xylenes	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
o-Xylene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Styrene	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Bromoform	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
TIC's		ND	ND	Yes	ND	ND	ND	ND	ND	ND

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

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CASTLE'S FAST DRY CLEANERS, INC.

TABLE 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	OFDP 10.5	OFDP 10.6	OFDP 10.6	OFDP 10.7	OFDP 10.7	OFDP 10.8	OFDP 10.8	OFDP 10.9	OFDP 10.9
Sample Location	**Standard**	**46'-50'**	**11.5'-15.5'**	**37'-41'**	**43'-47'**	**43'-47'**	**20'-24'**	**44'-48'**	**12'-16'**	**45'-49'**
	Water	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**11/10/2010**	**10/11/2010**	**11/10/2010**
Parameter						**Duplicate**				
Volatile Target Compound List (TCL)										
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,2,4-Trichlorobenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,2,4-Trimethylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	910 DJ	730 DJ	5.0 UJ	5.0 UJ
1,2-Dibromo-3-chloropropane	4	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,2-Dibromomethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,2-Dichlorobenzene	4.7	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,3,5-Trimethylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	280 DJ	220 DJ	5.0 UJ	5.0 UJ
1,3-Dichlorobenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,4-Dichlorobenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,4-Dioxane	---	100 UJ	100 U	100 UJ	100 U	100 U	1000 UJ	1000 UJ	100 UJ	100 UJ
Bromochloromethane	50	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Cyclohexane	---	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	91 DJ	44 DJ	5.0 UJ	5.0 UJ
Dichlorodifluoromethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Freon-113	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Isopropylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	33 DJ	5.0 UJ	5.0 UJ
Methyl acetate	---	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
methyl tert-butyl ether	10	5.0 UJ	5.0 J	6.3 J	3 J	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Methylcyclohexane	---	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	130 DJ	50 UJ	5.0 UJ	5.0 UJ
n-Butylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UD	50 UJ	5.0 UJ	5.0 UJ
n-Propylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	120 DJ	93 DJ	5.0 UJ	5.0 UJ
sec-Butylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
tert-Butylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Trichlorofluoromethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Chloromethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	2	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Bromomethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Chloroethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Acetone	50	5.0 UJ	10 U	13 J	10 U	10 U	100 U	100 U	5.0 UJ	5.0 UJ
1,1-Dichloroethene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	60	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Methylene chloride	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
trans-1,2-Dichloroethene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,1-Dichloroethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
2-Butanone (MEK)	50	10 UJ	10 U	10 UJ	10 U	10 U	100 U	100 U	10 UJ	10 UJ
cis-1,2-Dichloroethene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Chloroform	7	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,1,1-Trichloroethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Carbon tetrachloride	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Benzene	1	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,2-Dichloroethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Trichloroethene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,2-Dichloropropane	1	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Bromodichloromethane	50	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	---	10 UJ	10 U	10 UJ	10 U	10 U	100 UJ	100 UJ	10 UJ	10 UJ
cis-1,3-Dichloropropene	0.4	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Toluene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
trans-1,3-Dichloropropene	0.4	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,1,2-Trichloroethane	1	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
2-Hexanone	50	10 UJ	10 U	10 UJ	10 U	10 U	100 UJ	100 UJ	10 UJ	10 UJ
Tetrachloroethene	5	5.0 UJ	7.7	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	18 J	3 J
Dibromochloromethane	50	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Chlorobenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Ethylbenzene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	460 DJ	320 DJ	5.0 UJ	5.0 UJ
m,p-Xylenes	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	1500 DJ	1000 DJ	5.0 UJ	5.0 UJ
o-Xylene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	30 DJ	20 DJ	5.0 UJ	5.0 UJ
Styrene	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
Bromoform	50	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
1,1,2,2-Tetrachloroethane	5	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	50 UJ	50 UJ	5.0 UJ	5.0 UJ
TIC's		ND	ND	ND	ND	ND	Yes	Yes	ND	ND

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

J - Indicates that the associated numerical value is an estimated concentration

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	OFDP 10.10	OFDP 10.10	OFDP 10.11	OFDP 10.11	OFDP 10.12	OFDP 10.12	OFDP 10.13	OFDP 10.13	OFDP 10.14
Sample Location	**Standard**	**12'-16'**	**44'-48'**	**12'-14'**	**36'-40'**	**15'-19'**	**40'-44'**	**15'-19'**	**26'-30'**	**15'-19'**
	Water	**11/12/2010**	**11/12/2010**	**11/12/2010**	**11/12/2010**	**11/15/2010**	**11/15/2010**	**11/15/2010**	**11/15/2010**	**11/16/2010**
Parameter										
Volatile Target Compound List (TCL)										
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2,4-Trichlorobenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2,4-Trimethylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dibromo-3-chloropropane	4	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dibromomethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dichlorobenzene	4.7	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,3,5-Trimethylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,3-Dichlorobenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,4-Dichlorobenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,4-Dioxane	---	100 UJ	200 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 U
Bromochloromethane	50	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Cyclohexane	---	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Dichlorodifluoromethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Freon-113	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Isopropylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Methyl acetate	---	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
methyl tert-butyl ether	10	12 J	10 UJ	32 J	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Methylcyclohexane	---	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
n-Butylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
n-Propylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
sec-Butylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
tert-Butylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Trichlorofluoromethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chloromethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Vinyl chloride	2	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Bromomethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chloroethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Acetone	50	10 J	20 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	10 J	5.0 UJ	12 J
1,1-Dichloroethene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Carbon disulfide	60	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Methylene chloride	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
trans-1,2-Dichloroethene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1-Dichloroethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
2-Butanone (MEK)	50	10 UJ	20 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
cis-1,2-Dichloroethene	5	5.0 UJ	10 UJ	32 J	5.0 UJ	21 J	5.0 UJ	5.0 UJ	6.8 J	23
Chloroform	7	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1,1-Trichloroethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Carbon tetrachloride	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Benzene	1	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dichloroethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Trichloroethene	5	5.0 UJ	10 UJ	12 J	5.0 UJ	11 J	5.0 UJ	5.0 UJ	3 J	8.1
1,2-Dichloropropane	1	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Bromodichloromethane	50	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
4-Methyl-2-pentanone	---	10 UJ	20 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
cis-1,3-Dichloropropene	0.4	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Toluene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
trans-1,3-Dichloropropene	0.4	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1,2-Trichloroethane	1	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
2-Hexanone	50	10 UJ	20 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Tetrachloroethene	5	5.0 UJ	10 UJ	110 J	5.0 UJ	88 J	5.0 UJ	15 J	36 J	77
Dibromochloromethane	50	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chlorobenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Ethylbenzene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
m,p-Xylenes	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
o-Xylene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Styrene	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Bromoform	50	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 UJ	10 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
TIC's		ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

J - Indicates that the associated numerical value is an estimated concentration

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	OFDP 10.14	OFDP 10.15	OFDP 10.15	OFDP 10.16	OFDP 10.16	GW-1	GW-1	GW-2	GW-4
Sample Location	**Standard**	**45'-49'**	**13'-17'**	**32'-36'**	**15'-19'**	**45'-49'**	**Well**	**Well**	**Well**	**Well**
	Water	**11/16/2010**	**11/16/20101**	**11/16/2010**	**11/16/2010**	**11/16/2010**	**11/17/2010**	**11/17/2010**	**11/17/20101**	**11/17/2010**
Parameter								**Duplicate**		
Volatile Target Compound List (TCL)										
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	4.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dioxane	---	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bromochloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	---	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Freon-113	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	---	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
methyl tert-butyl ether	10	5.0 U	9.9	20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	---	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
n-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
n-Propylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
sec-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	5.0 U	7.6	2 J	5.6	5.0 U	5.0 U	5.0 U	5.0 U	110
Chloroform	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5.0 U	3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	18
1,2-Dichloropropane	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5.0 U	21	8.3	14	3 J	5.0 U	5.0 U	5.0 U	95
Dibromochloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m,p-Xylenes	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TIC's		ND	ND	ND	ND	ND	ND	ND	ND	Yes

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

J - Indicates that the associated numerical value is an estimated concentration

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	OFDP 10.1	OFDP 10.2	OFDP 10.5	OFDP 10.7	OFDP 10.8	GW-8	GW-11	PS-1	PS-1
Sample Location	**Standard**	**Well**	**Well**	**Well**	**Well**	**Well**	**Well**	**Well**	**Well**	**Well**
	Water	**11/17/2010**	**11/17/2010**	**11/17/2010**	**11/17/2010**	**11/17/2010**	**11/17/2010**	**11/17/2010**	**11/17/2010**	**11/17/2010**
Parameter										**Duplicate**
Volatile Target Compound List (TCL)										
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	2000	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	4	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	4.7	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dioxane	---	100 U	100 U	100 U	100 U	2000 U	100 U	100 U	100 U	100 U
Bromochloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	---	5.0 U	5.0 U	5.0 U	5.0 U	270	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Freon-113	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	95 J	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	---	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
methyl tert-butyl ether	10	5.0 U	5.0 U	5.0 U	21	100 U	5.0 U	11	5.0 U	5.0 U
Methylcyclohexane	---	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
n-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
n-Propylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	260	5.0 U	5.0 U	5.0 U	5.0 U
sec-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	60	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5	5.0 U	6.2	5.0 U	5.0 U	100 U	100 D	20	5.0 U	5.0 U
Chloroform	7	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	5.0 U	5.0 U	5.0 U	5.0 U	90 JD	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	5.0 U	6.7	5.0 U	5.0 U	100 U	55 D	6.3	5.0 U	5.0 U
1,2-Dichloropropane	1	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	---	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5	5.0 U	5.0 U	5.0 U	5.0 U	40 J	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	1	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50	10 U	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	5.5	140	5.0 U	5.0 U	100 U	310 D	64	4 J	4 J
Dibromochloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	1400	5.0 U	5.0 U	5.0 U	5.0 U
m,p-Xylenes	5	5.0 U	5.0 U	5.0 U	5.0 U	3700	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5	5.0 U	5.0 U	5.0 U	5.0 U	90 J	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	50	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U
TIC's		ND	ND	ND	ND	Yes	ND	ND	ND	ND

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

J - Indicates that the associated numerical value is an estimated concentration

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

T A B L E 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	OFDP 10.17	OFDP 10.17	OFDP 10.18	OFDP 10.18	OFDP 10.19	OFDP 10.19	OFDP 10.20	OFDP 10.20	OFDP 10.21
Sample Location	**Standard**	**12'-16'**	**28'-32'**	**12'-16'**	**17'-21'**	**12'-14'**	**46'-48'**	**14'-16'**	**38'-40'**	**12'-16'**
	Water	**4/27/2011**	**4/27/2011**	**4/27/2011**	**4/27/2011**	**4/25/2011**	**4/25/2011**	**4/26/2011**	**4/26/2011**	**4/27/2011**
Parameter										
Volatile Target Compound List (TCL)										
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2,4-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2,4-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dibromo-3-chloropropane	4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dibromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dichlorobenzene	4.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,3,5-Trimethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,3-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,4-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,4-Dioxane	---	R	R	R	R	R	R	R	R	R
Bromochloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Cyclohexane	---	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Freon-113	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Isopropylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Methyl acetate	---	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
methyl tert-butyl ether	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Methylcyclohexane	---	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
n-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
n-Propylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
sec-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
tert-Butylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Trichlorofluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Vinyl chloride	2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Bromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Acetone	50	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Carbon disulfide	60	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Methylene chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
cis-1,2-Dichloroethene	5	3 J	5.0 U	15	15	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chloroform	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Carbon tetrachloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Benzene	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Trichloroethene	5	2 J	5.0 U	5 J	4 J	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,2-Dichloropropane	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Bromodichloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
4-Methyl-2-pentanone	---	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
cis-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Toluene	5	5.0 U	5.0 U	5.0 U	5.0 U	2 J	5.0 UJ	2 J	5.0 UJ	5.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1,2-Trichloroethane	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
2-Hexanone	50	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Tetrachloroethene	5	41	3 J	27	16	6.7 J	4 J	5 J	5.0 UJ	5.0 U
Dibromochloromethane	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
m,p-Xylenes	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
o-Xylene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Styrene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Bromoform	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
TIC's		ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

J - Indicates that the associated numerical value is an estimated concentration

R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 3

TASK #1B

GROUNDWATER DATA SUMMARY

November 2010/April 2011

NYSDEC Site No. 808034

	*NYS	OFDP 10.21	OFDP 10.22	OFDP 10.22
Sample Location	**Standard**	**24'-28'**	**12'-16'**	**26'-30'**
	Water	**4/27/2011**	**4/26/2011**	**4/27/2011**
Parameter				
Volatile Target Compound List (TCL)				
Unit	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2,3-Trichlorobenzene	5	5.0 U	5.0 UJ	5.0 U
1,2,4-Trichlorobenzene	5	5.0 U	5.0 UJ	5.0 U
1,2,4-Trimethylbenzene	5	5.0 U	5.0 UJ	5.0 U
1,2-Dibromo-3-chloropropane	4	5.0 U	5.0 UJ	5.0 U
1,2-Dibromomethane	5	5.0 U	5.0 UJ	5.0 U
1,2-Dichlorobenzene	4.7	5.0 U	5.0 UJ	5.0 U
1,3,5-Trimethylbenzene	5	5.0 U	5.0 UJ	5.0 U
1,3-Dichlorobenzene	5	5.0 U	5.0 UJ	5.0 U
1,4-Dichlorobenzene	5	5.0 U	5.0 UJ	5.0 U
1,4-Dioxane	---	R	R	R
Bromochloromethane	50	5.0 U	5.0 UJ	5.0 U
Cyclohexane	---	5.0 U	5.0 UJ	5.0 U
Dichlorodifluoromethane	5	5.0 U	5.0 UJ	5.0 U
Freon-113	5	5.0 U	5.0 UJ	5.0 U
Isopropylbenzene	5	5.0 U	5.0 UJ	5.0 U
Methyl acetate	---	5.0 U	5.0 UJ	5.0 U
methyl tert-butyl ether	10	5.0 U	5.0 UJ	5.0 U
Methylcyclohexane	---	5.0 U	5.0 UJ	5.0 U
n-Butylbenzene	5	5.0 U	5.0 UJ	5.0 U
n-Propylbenzene	5	5.0 U	5.0 UJ	5.0 U
sec-Butylbenzene	5	5.0 U	5.0 UJ	5.0 U
tert-Butylbenzene	5	5.0 U	5.0 UJ	5.0 U
Trichlorofluoromethane	5	5.0 U	5.0 UJ	5.0 U
Chloromethane	5	5.0 U	5.0 UJ	5.0 U
Vinyl chloride	2	5.0 U	5.0 UJ	5.0 U
Bromomethane	5	5.0 U	5.0 UJ	5.0 U
Chloroethane	5	5.0 U	5.0 UJ	5.0 U
Acetone	50	10 U	10 UJ	10 U
1,1-Dichloroethene	5	5.0 U	5.0 UJ	5.0 U
Carbon disulfide	60	5.0 U	5.0 UJ	5.0 U
Methylene chloride	5	5.0 U	5.0 UJ	5.0 U
trans-1,2-Dichloroethene	5	5.0 U	5.0 UJ	5.0 U
1,1-Dichloroethane	5	5.0 U	5.0 UJ	5.0 U
2-Butanone (MEK)	50	10 U	10 UJ	10 U
cis-1,2-Dichloroethene	5	5.0 U	5.0 UJ	15
Chloroform	7	5.0 U	5.0 UJ	5.0 U
1,1,1-Trichloroethane	5	5.0 U	5.0 UJ	5.0 U
Carbon tetrachloride	5	5.0 U	5.0 UJ	5.0 U
Benzene	1	5.0 U	5.0 UJ	5.0 U
1,2-Dichloroethane	5	5.0 U	5.0 UJ	5.0 U
Trichloroethene	5	5.0 U	5.0 UJ	5 J
1,2-Dichloropropane	1	5.0 U	5.0 UJ	5.0 U
Bromodichloromethane	50	5.0 U	5.0 UJ	5.0 U
4-Methyl-2-pentanone	---	10 U	10 UJ	10 U
cis-1,3-Dichloropropene	0.4	5.0 U	5.0 UJ	5.0 U
Toluene	5	5.0 U	2 J	5.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	5.0 UJ	5.0 U
1,1,2-Trichloroethane	1	5.0 U	5.0 UJ	5.0 U
2-Hexanone	50	10 U	10 UJ	10 U
Tetrachloroethene	5	2 J	5.4 J	27
Dibromochloromethane	50	5.0 U	5.0 UJ	5.0 U
Chlorobenzene	5	5.0 U	5.0 UJ	5.0 U
Ethylbenzene	5	10 U	10 UJ	10 U
m,p-Xylenes	5	5.0 U	5.0 UJ	5.0 U
o-Xylene	5	5.0 U	5.0 UJ	5.0 U
Styrene	5	5.0 U	5.0 UJ	5.0 U
Bromoform	50	5.0 U	5.0 UJ	5.0 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 UJ	5.0 U
TIC's		ND	ND	ND

Notes:

Highlighed value exceeds NYS Water Quality Standards and Guidance Values for GA - Source of Drinking Water, 1998 with April 2000 Addendum

TIC's - Tentatively Identified Compounds

U - Constituent not detected at a concentration above the reported detection limit

D - Compound quantitated using a secondary dilution

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R - Data was rejected due to a deficiency in the data generation process

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 4

GROUNDWATER PARAMETERS AT MONITORING WELLS

November 11, 2010

NYSDEC Site No.808034

Sample Location	Well Depth (feet)	Depth to Water (feet)	Purging	Amount Purged (gal.)	Temp. (˚C)	pH (SU)	Turbidity (NTU)	Conductivity (µmS/cm)
GW-1	18.0	10.22	Before		12.0	7.0	117	2530
			After	1.0	13.8	6.9	62.4	2438
GW-2	16.3	8.42	Before		11.4	7.3	116	1767
			After	1.0	13.0	6.9	8.9	1789
GW-4	15.6	8.83	Before		13.7	8.5	176	861
			After	1.0	15.7	7.4	11.4	787
GW-8	19.5	10.20	Before		11.7	7.8	99	1253
			After	1.0	12.4	7.3	347	1768
GW-11	19.8	10.89	Before		10.9	8.0	139	567
			After	1.0	12.7	7.8	38.3	589
PS-1	45.0	14.90	Before		11.0	7.8	23.9	566
			After	18	10.6	7.9	27.2	575
OFDP-10.1	15.0	8.88	Before		12.3	7.3	216	2737
			After	1.0	13.5	7.1	63.1	2860
OFDP-10.2	17.0	9.68	Before		13.9	8.0	10.2	595
			After	1.3	13.9	8.0	218	1321
OFDP-10.5	17.8	10.16	Before		12.7	7.5	339	386
			After	1.5	13.7	7.3	94.6	373
OFDP-10.7	16.5	11.50	Before		12.1	7.8	138	710
			After	1.0	13.4	7.4	335	551
OFDP-10.8	18.0	8.30	Before		12.4	7.0	29.0	1288
			After	1.0	13.7	7.3	94.6	373

Notes: Purged with dedicated tubing and peristaltic pump

pH reported in Standard Units (SU)

Specific conductivity recorded in miliSiemens per centimeter(µS/cm)

Turbidity recorded in Nephelometric Turbidity Units (NTU)

Castle's Fast Dry Cleaners, Inc.

TABLE 5

Task #2

Soil Vapor Intrusion Investigation

NYSDEC Site No. 808034

Property ID	Sample Identification
Property 1	AIN.10.1 - Basement AIN.10.2 – 1st Level AMA.10.1 - Outdoor
Property 2	AIN.10.21 – 1st Level ASS.10.9 – Sub-slab AMA.10.5 – Outdoor
Property 3	AIN.10.3 – Basement (north) AIN.10.4 – Basement (south) AIN.10.5 – 1st Level Pharmacy AMA.10.1 – Outdoor
Property 4	ASS.10.1 – Sub-slab AIN.10.6 - 1ST Level AMA.10.1
Property 5	AIN.10.7 – 1st Level ASS.10.2 – Sub-slab AMA.10.1
Property 6	ASS.10.5 – Sub-slab AIN.10.12 – Basement AIN. 10.13 – 1st Level AMA.10.2 – Outdoor
Property 7	ASS.10.6 – Sub-slab AIN.10.14 – Basement AIN.10.15 – 1st Level AMA.10.2 *[Re-Sampled]* AIN.10.16 – Basement ASS.10.6(A) – Sub-slab AMA.10.3
Property 8	ASS.10.3 – Sub-slab (north basement) AIN.10.8 – Basement (north basement ASS.10.4 – Sub-slab (south basement) AIN.10.9 – Basement (south basement) AIN.10.10 – Basement (south basement) Duplicate AIN.10.11 – 1st Level (south apartment) AMA.10.2
Property 9	AIN.10.17 – Basement (north basement) ASS.10.7 – Sub-slab (north basement) AIN.10.18 – Basement (south basement) AIN.10.19 – Basement (south basement) Duplicate ASS.10.8 – Sub-slab (south basement) AIN.10.20 – 1st Level AMA.10.4 - Outdoor

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 6

TASK #2

Summary of Contaminants of Concern

NYSDEC Site No. 808034

PROPERTY	Concentrations (ug/m^3)*									
	PCE	**TCE**	***cis*-DCE**	***trans*-DCE**	**VC**	**1,1,1-TCA**	**1,1-DCE**	**1,1-DCA**	**1,2-DCA**	**CA**
Property 1										
Basement	140	1.5	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level	140	1.0	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoors	190	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 2										
Sub-Slab	260	7.9	7.5	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level	2000	10	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoor	140 J	0.22 UJ	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 3										
Basement (north)	120	2.6	3.3	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Basement (south)	140	2.7	3.4	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level Pharmacy	96	2.5	2.7	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoors	190	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 4										
Sub-Slab	66	2.7	2.3	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level	91	3.1	2.5	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoors	190	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 5										
Sub-Slab	40	3.9	2.4	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level	32	1.8	1.1	0.81 U	0.52 U	2.3	0.81 U	0.82 U	0.82 U	0.54 U
Outdoors	190	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 6										
Basement	1.40 U	0.22 U	0.97	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab	63	26	77	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level	25	1.5	1.7	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	2.3	0.54 U
Outdoor	28	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 6

TASK #2

Summary of Contaminants of Concern

NYSDEC Site No. 808034

PROPERTY	Concentrations (ug/m^3)*									
	PCE	**TCE**	***cis*-DCE**	***trans*-DCE**	**VC**	**1,1,1-TCA**	**1,1-DCE**	**1,1-DCA**	**1,2-DCA**	**CA**
Property 7										
Basement	8.0	3.5	5.8	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab	620	270	350	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level	23	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoor	28	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Basement	10	1.1	1.3	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab	1400	500	430	8.3	2.4	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoor	41	4.7	6.5	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 8										
Basement (north)	12	0.33	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab (north)	40	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Basement (south)	10	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Basement (south) Duplicate	9.0	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab (south)	180	1.5	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level (south)	8.2	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoor	28	0.22 U	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Property 9										
Basement (north)	12 J	2.0 J	2.3 J	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab (north)	180 J	35 J	23 J	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Basement (south)	9.3 J	1.9 J	1.8 J	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Basement (south) Duplicate	6.8 J	1.4 J	1.4 J	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Sub-Slab (south)	1100 J	470 J	410 J	1.8	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
1st Level (south)	28 J	6.4 J	9.0 J	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U
Outdoor	1.7 J	0.22 UJ	0.81 U	0.81 U	0.52 U	1.10 U	0.81 U	0.82 U	0.82 U	0.54 U

***** Data Usability Summary Reports (DUSR) E1103003 and E1103005 summary data.

PCE-tetrachloroethene; TCE - trichloroethene; DCE-dichloroethene; VC - vinyl chloride; TCA - trichloroethane; DCA - dichloroethane; CA - chloroethane

U - Constituent not detected at a concentration above the reported detection limit

J - Indicates the associated numerical value is an estimated concentration

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 7

TASK #2

SUMMARY OF SOIL VAPOR AND AIR CONCENTRATIONS

NYSDEC Site No. 808034

Sample Location	AIN.10.1	AIN.10.2	AIN.10.3	AIN.10.4	AIN.10.5	ASS.10.1	AIN.10.6	AIN.10.7	ASS.10.2	AMA.10.1
	Basement	1st Floor	Basement	Basement	1st Floor	Subslab	1st Floor	1st Floor	Subslab	Outdoor
Sample Date	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**	**2/28/11**
Parameter										
Polar and Non-Polar Compounds										
Method EPA TO-15										
[Unit - ug/m3]										
1,1,1-Trichloroethane	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	2.3	1.10 U	1.10 U
1,1,2,2-Tetrachloroethane	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
1,1,2-Trichloroethane	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
Freon 113	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
1,1-Dichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2,4-Trichlorobenzene	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U
1,2,4-Trimethylbenzene	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	3.6	1.50 U	1.6	3.5	1.50 U
1,2-Dibromomethane	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
Freon 114	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
1,2-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.3	1.20 U	1.20 U
1,2-Dichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5	0.82 U	0.82 U	0.82 U	0.82 U
1,2-Dichloropropane	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
1,3,5-Trimethylbenzene	1.00 U	2.7	1.1	1.3	2.7	18	1.9	3.3	17	1.00 U
1,3-Butadiene	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
1,3-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.3	1.20 U	1.20 U
1,4-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dioxane	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	0.40 UJ	1.50 UJ	1.50 UJ	0.40 UJ	1.50 UJ
2-Butanone	1.9	5.5	1.5	1.5	4.0	7.1	0.60 U	2.5	9.3	0.81
2-Hexanone	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
4-Ethyltoluene	1.2	1.00 U	1.00 U	1.00 U	1.7	24	1.4	2.3	25	1.00 U
4-Methyl-2-pentanone	0.83 UJ	0.83 UJ	0.83 UJ	1.5 J	4.2 J	2.0 J	3.2 J	1.3 J	0.83 UJ	0.83 UJ
Acetone	18	53	60	48	89	140	78	35	53	11
Benzene	1.2	1.3	0.91	0.91	1.3	13	1.0	1.4	23	0.78
Benzyl chloride	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
Bromodichloromethane	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Bromoform	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ
Bromomethane	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Carbon disulfide	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.70	3.0	0.63 U
Carbon tetrachloride	1.2	0.26 U	0.64	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Chlorobenzene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
Chloroethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Chloroform	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
Chloromethane	1.8	1.2	0.94	0.42 U	1.4	0.42 U	1.3	1.6	0.42 U	0.97
cis-1,2-Dichloroethene	0.81 U	0.81 U	3.3	3.4	2.7	2.3	2.5	1.1	2.4	0.81 U
cis-1,3-Dichloropropene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Cyclohexane	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	7.4	0.70 U	1.3	23	0.70 U
Dibromochloromethane	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
Freon 12	2.8	2.3	2.4	2.5	3.2	3.5	2.8	11	12	2.2
Ethylbenzene	0.88 U	0.88 U	0.88 U	0.88 U	0.97	21	0.88 U	2.3	29	0.88 U
Hexachlorobutadiene	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U
Hexane	1.3	0.90	0.90	0.72 U	0.72 U	260	1.2	1.2	270	0.72 U
Isopropanol	32	30	230	330 EJ	1100	420	790	120	5.00 U	3 J
m,p-Xylene	2.60 U	2.60 U	2.60 U	2.60 U	3.0	76	2.60 U	6.1	100	2.60 U
Methyl tert-butyl ether	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Methylene chloride	1.5	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	1.7	0.71U	0.71U	0.71U
n-Heptane	1.0	0.83 U	0.83 U	0.83 U	0.83 U	19	0.96	2.3	47	0.83 U
o-Xylene	1.1	0.88 U	0.88 U	0.88 U	1.1	18	1.0	2.0	21	0.83 U
Styrene	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	4.9	1.30 U	1.3	1.30 U	1.30 U
Tetrachloroethene	140	140	120	140	96	66	91	32	40	190
Tetrahydrofuran	0.63	0.60 U	0.60 U	0.60 U	2.4	4.6	1.4	0.87	6.2	0.60 U
Toluene	2.3	2.6	3.9	3.7	8.9	110	11	9.9	460	1.1
trans-1,2-Dichloroethene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
trans-1,3-Dichloropropene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Trichloroethene	1.5	1.0	2.6	2.7	2.5	2.7	3.1	1.8	3.9	0.22 U
Freon 11	1.10 U	1.4	1.4	1.4	1.7	1.4	1.4	2.6	1.9	1.10 U
Vinyl acetate	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ
Vinyl chloride	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U

Notes:

U - Constituent not detected at a concentration above the reported detection limit

J - Indicates that the associated numerical value is an estimated concentration

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 7

TASK #2

SUMMARY OF SOIL VAPOR AND AIR CONCENTRATIONS

NYSDEC Site No. 808034

Sample Location	ASS.10.3	AIN.10.8	ASS.10.4	AIN.10.9	AIN.10.10	AIN.10.11	ASS.10.5	AIN.10.12	AIN.10.13	ASS.10.6	AIN.10.14	AIN.10.15	AMA.10.2
	Subslab	Basement	Subslab	Basement	Basement	1st Floor	Subslab	Basement	1st Floor	Subslab	Basement	1st Floor	Outdoor
					Duplicate								
Sample Date	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**	**3/1/11**
Parameter													
Polar and Non-Polar Compounds													
Method EPA TO-15													
[Unit - ug/m3]													
1,1,1-Trichloroethane	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
1,1,2,2-Tetrachloroethane	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
1,1,2-Trichloroethane	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
Freon 113	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
1,1-Dichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2,4-Trichlorobenzene	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U
1,2,4-Trimethylbenzene	3.3	1.50 U	5.5	1.50 U	1.50 U	1.50 U	5.0	1.50 U	1.50 U	4.8	1.50 U	1.50 U	1.50 U
1,2-Dibromomethane	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
Freon 114	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
1,2-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,2-Dichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.3	0.82 U	0.82 U	0.82 U	0.82 U
1,2-Dichloropropane	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
1,3,5-Trimethylbenzene	15	1.1	25	1.0	1.00 U	1.2	21	1.00 U	1.4	18	1.00 U	1.4	1.00 U
1,3-Butadiene	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ
1,3-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dioxane	0.40 UJ	1.50 UJ	0.40 UJ	1.50 UJ	1.50 UJ	1.50 UJ	0.40 UJ	1.50 UJ	1.50 UJ	0.40 UJ	1.50 UJ	1.50 UJ	1.50 UJ
2-Butanone	2.6	3.1	6.1	0.66	1.5	3.9	6.2	1.0	3.7	0.60 U	1.2	3.1	1.4
2-Hexanone	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
4-Ethyltoluene	23	1.00 U	29	1.00 U	1.00 U	1.00 U	29	1.00 U	1.00 U	25	1.00 U	1.00 U	1.00 U
4-Methyl-2-pentanone	0.83 UJ	1.2 J	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
Acetone	16	15	15	5 J	8.7	14	770	880	1700	300	1000	1600	31
Benzene	9.5	1.6	2.6	1.5	1.4	1.5	13	0.65 U	2.0	11	0.65	1.7	1.7
Benzyl chloride	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
Bromodichloromethane	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Bromoform	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ	2.10 UJ
Bromomethane	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Carbon disulfide	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	2.1	0.63 U	0.63 U	11	0.63 U	0.63 U	0.63 U
Carbon tetrachloride	0.26 U	0.26 U	0.26 U	0.26 U	0.64	0.94 U	0.94 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Chlorobenzene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.54 U	0.54 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
Chloroethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.99 U	0.99 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Chloroform	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	12	0.99 U	0.99 U	0.99 U
Chloromethane	0.42 U	1.4	0.42 U	1.3	1.2	1.4	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	1.4
cis-1,2-Dichloroethene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	77	0.97	1.7	350	5.8	0.81 U	0.81 U
cis-1,3-Dichloropropene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Cyclohexane	4.0	0.70 U	1.3	0.70 U	0.70 U	0.70 U	3.9	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Dibromochloromethane	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
Freon 12	2.1	2.2	2.3	2.3	2.3	2.3	4.4	3.2	1.00 U	3.2	5.9	12	2.8
Ethylbenzene	26	1.1	12	0.88 U	0.88 U	0.88 U	26	0.88 U	1.7	22	0.88 U	2.4	0.88
Hexachlorobutadiene	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U	2.20 U
Hexane	19	1.0	4.0	0.97	0.93	0.93	26	0.72 U	2.2	98	1.1	1.5	0.72 U
Isopropanol	14	4 J	7.5	5.00 U	4 J	5.00 U	92	39	240	26	46	130	5.00 U
m,p-Xylene	95	3.2	62	2.60 U	2.60 U	2.60 U	100	2.60 U	5.3	85	2.60 U	7.7	2.60 U
Methyl tert-butyl ether	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Methylene chloride	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
n-Heptane	14	0.83 U	4.2	0.83 U	0.83 U	0.83 U	18	0.83 U	1.3	150	1.6	1.9	0.83 U
o-Xylene	21	1.1	18	0.93	0.88 U	0.97	27	0.88 U	1.9	24	0.88 U	2.5	0.88 U
Styrene	1.30 U	1.30 U	1.3	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U
Tetrachloroethene	40	12	180	10	9.0	8.2	63	1.40 U	25	620	8.0	23	28
Tetrahydrofuran	2.2	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	4.0	1.3	1.9	0.60 U	0.60 U	0.60 U	0.60 U
Toluene	110	4.2	33	3.1	2.6	4.3	130	1.2	6.7	99	1.5	35	2.9
trans-1,2-Dichloroethene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.0	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
trans-1,3-Dichloropropene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Trichloroethene	0.22 U	0.33	1.5	0.22 U	0.22 U	0.22 U	26	0.22 U	1.5	270	3.5	0.22 U	0.22 U
Freon 11	1.3	1.3	1.4	1.4	1.6	1.10 U	1.9	1.5	1.8	1.10 U	1.4	1.7	1.7
Vinyl acetate	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ
Vinyl chloride	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U

Notes:

U - Constituent not detected at a concentration above the reported detection limit

J - Indicates that the associated numerical value is an estimated concentration

CASTLE'S FAST DRY CLEANERS, INC.

TABLE 7

TASK #2

SUMMARY OF SOIL VAPOR AND AIR CONCENTRATIONS

NYSDEC Site No. 808034

Sample Location	**AIN.10.16**	**ASS.10.6A**	**AMA.10.3**	**AIN.10.17**	**ASS.10.7**	**AIN.10.18**	**AIN.10.19**	**ASS.10.8**	**AIN.10.20**	**AMA.10.4**	**AMA.10.5**	**AIN.10.21**	**ASS.10.9**
	Basement	**Subslab**	**Outdoor**	**1st Floor**	**Subslab**	**1st Floor**	**1st Floor**	**Subslab**	**1st Floor**	**Outdoor**	**Outdoor**	**1st Floor**	**Subslab**
Sample Date	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**	**3/22/11**
Parameter													
Polar and Non-Polar Compounds													
Method EPA TO-15													
[Unit - ug/m3]													
1,1,1-Trichloroethane	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
1,1,2,2-Tetrachloroethane	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
1,1,2-Trichloroethane	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ	1.10 UJ
Freon 113	1.6	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
1,1-Dichloroethane	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethene	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2,4-Trichlorobenzene	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ	1.50 UJ
1,2,4-Trimethylbenzene	1.50 U	5.4	1.50 U	1.50 U	4.9	1.50 U	1.50 U	3.9	1.50 U	1.50 U	1.50 U	1.50 U	4.4
1,2-Dibromomethane	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
Freon 114	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
1,2-Dichlorobenzene	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ
1,2-Dichloroethane	0.95	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,2-Dichloropropane	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
1,3,5-Trimethylbenzene	1.7	19	1.00 U	1.00 U	18	1.3	1.00 U	13	1.8	1.00 U	1.00 U	1.0	15
1,3-Butadiene	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,3-Dichlorobenzene	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ
1,4-Dichlorobenzene	1.2 J	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ	1.20 UJ
1,4-Dioxane	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U	1.50 U
2-Butanone	3.1	3.5	0.84	1.5	4.0	2.5	1.7	4.5	1.4	1.9	1.8	0.60 U	3.5
2-Hexanone	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
4-Ethyltoluene	1.4	15	1.00 U	1.00 U	16	1.00 U	1.00 U	12	1.00 U	1.00 U	1.00 U	1.00 U	15
4-Methyl-2-pentanone	0.83 U	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
Acetone	200 J	34 J	7.7 J	9.5 J	17 J	14 J	10 J	31 J	22 J	11 J	13 J	11 J	30 J
Benzene	1.3	2.0	0.94	1.1	1.4	1.4	1.0	3.5	1.3	0.94	1.1	2.3	0.91
Benzyl chloride	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U
Bromodichloromethane	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Bromoform	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U
Bromomethane	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Carbon disulfide	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.76	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Carbon tetrachloride	1.3	11	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Chlorobenzene	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U
Chloroethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Chloroform	0.99 U	12	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U
Chloromethane	0.42 U	0.42 U	1.3	1.3	0.42 U	1.3	0.42 U	0.42 U	0.42 U	1.0	1.2	0.42 J	0.42 J
cis-1,2-Dichloroethene	1.3 J	430 J	6.5 J	2.3 J	23 J	1.8 J	1.4 J	410 J	9.0 J	0.81 U	0.81 U	0.81 U	7.5 J
cis-1,3-Dichloropropene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Cyclohexane	0.77	3.6	0.70 U	0.70 U	2.9	0.70 U	0.70 U	8.9	0.70 U	0.70 U	0.70 U	0.70 U	1.1
Dibromochloromethane	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
Freon 12	7.4	4.1	2.6	2.6	2.6	2.6	2.5	2.7	2.6	2.3	2.4	1.00 U	1.00 U
Ethylbenzene	1.9	5.0	0.88 U	0.88 U	8.2	0.97	0.88 U	7.7	0.88	0.88 U	0.88 U	0.88 U	0.88 U
Hexachlorobutadiene	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ	2.20 UJ
Hexane	0.72 U	17 J	0.72 U	0.72 U	8.4 J	0.72 U	0.72 U	14 J	0.72 U	0.72 U	0.79	0.72 U	19
Isopropanol	49 J	10 J	2 J	9.0 J	5.00 U	11 J	8.7 J	5.00 U	47 J	5.0 J	5.7 J	11 J	6.3 J
m,p-Xylene	5.6 J	21 J	2.60 U	2.60 U	31 J	2.60 U	2.60 U	27 J	2.60 U	2.60 U	2.60 U	2.60 U	34 J
Methyl tert-butyl ether	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Methylene chloride	0.88 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.74
n-Heptane	1.6	5.0	0.83 U	0.83 U	6.1	0.83 U	0.83 U	14	0.83 U	0.83 U	0.83 U	0.83 U	4.0
o-Xylene	2.1 J	12 J	0.88 U	0.88 U	14 J	1.1 J	0.88 U	12 J	1.0 J	0.88 U	0.88 U	0.88 U	17J
Styrene	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.5 J	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U
Tetrachloroethene	10 J	1400 J	41 J	12 J	180 J	9.3 J	6.8 J	1100 J	28 J	1.7 J	140 J	2000 J	260 J
Tetrahydrofuran	3.8	0.63	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
Toluene	17 J	22 J	1.5 J	2.1 J	24 J	2.3 J	1.8 J	26 J	2.3 J	2.1 J	2.0 J	2.5 J	52 J
trans-1,2-Dichloroethene	0.81 U	8.3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	1.8	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
trans-1,3-Dichloropropene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Trichloroethene	1.1 J	500 J	4.7 J	2.0 J	35 J	1.9 J	1.4 J	470 J	6.4 J	0.22 UJ	0.22 UJ	10 J	7.9 J
Freon 11	2.1	1.7	1.6	1.6	1.7	1.7	1.10 U	1.8	1.7	1.3	1.10 U	8.3	2.9
Vinyl acetate	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Vinyl chloride	0.52 U	2.4	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U

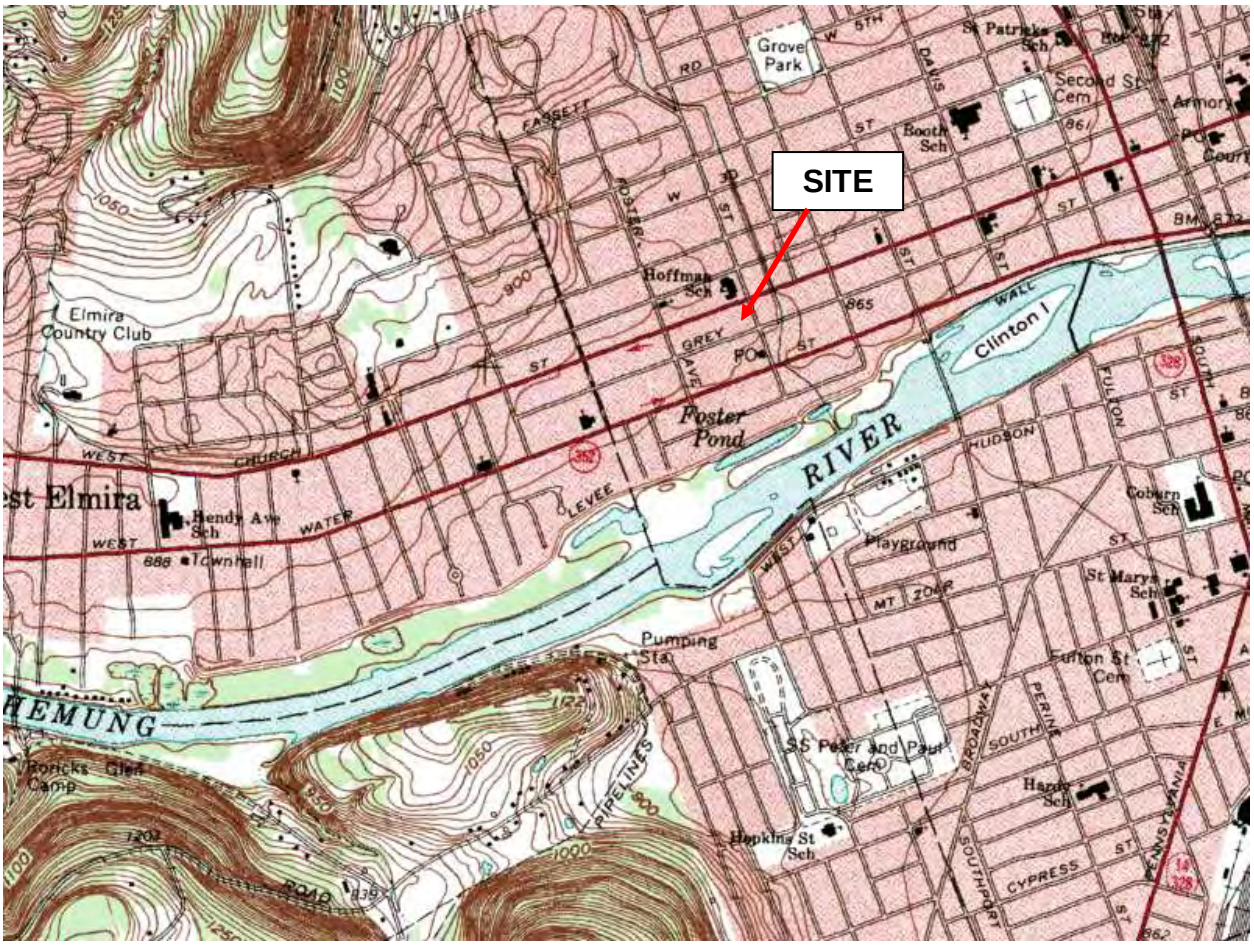
Notes:

U - Constituent not detected at a concentration above the reported detection limit

J - Indicates that the associated numerical value is an estimated concentration

APPENDIX B

DRAWINGS

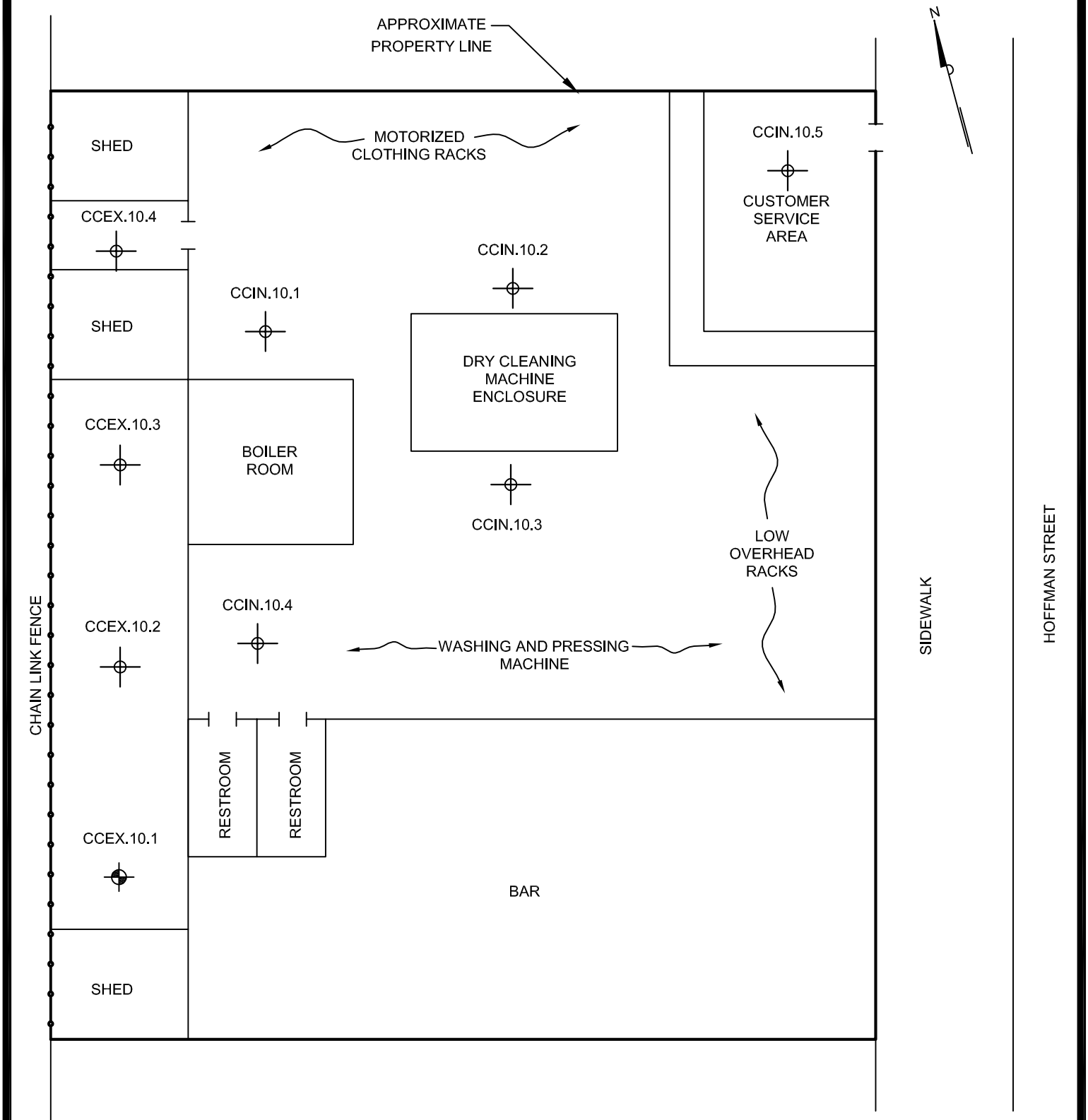


Source: www.mapcard.com

USGS Topographic Map, Elmira Quadrangle, 1976
Scale 1:24,000

SITE LOCATION PLAN
Castle's Fast Dry Cleaners
221 Hoffman Street
Elmira, New York
Drawing No. 1
209053

VICINITY PLAN
Castle's Fast Dry Cleaners
221 Hoffman Street
Elmira, New York
Drawing No. 2
209053



LEGEND:

DIRECT PUSH (DP) BORING LOCATION

DIRECT PUSH BORING LOCATION AND MONITORING WELL

APPROXIMATE SCALE:

0' 5' 10' 20'

GeoLogic

GeoLogic NY, Inc., Homer, New York

ON-SITE BORING LOCATION PLAN
CASTLE'S FAST DRY CLEANERS
221 HOFFMAN STREET
ELMIRA, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
FCE/SDW	AS SHOWN	209053
REVIEWED BY:	DATE:	DRAWING NO.:
	AUG. 2010	3

\..\209053\TECH\SITE BASE MAP.DWG

N

LEGEND:

- BORING / MONITORING WELL LOCATION (BY GEOLOGIC NY, INC.)
- EXISTING MONITORING WELL LOCATION (BY MACTEC)

APPROXIMATE SCALE:

0'10' 250' 500'

\..\209053\Tech\Drawings\Boring - MW Location Plan.dwg

GeoLogic

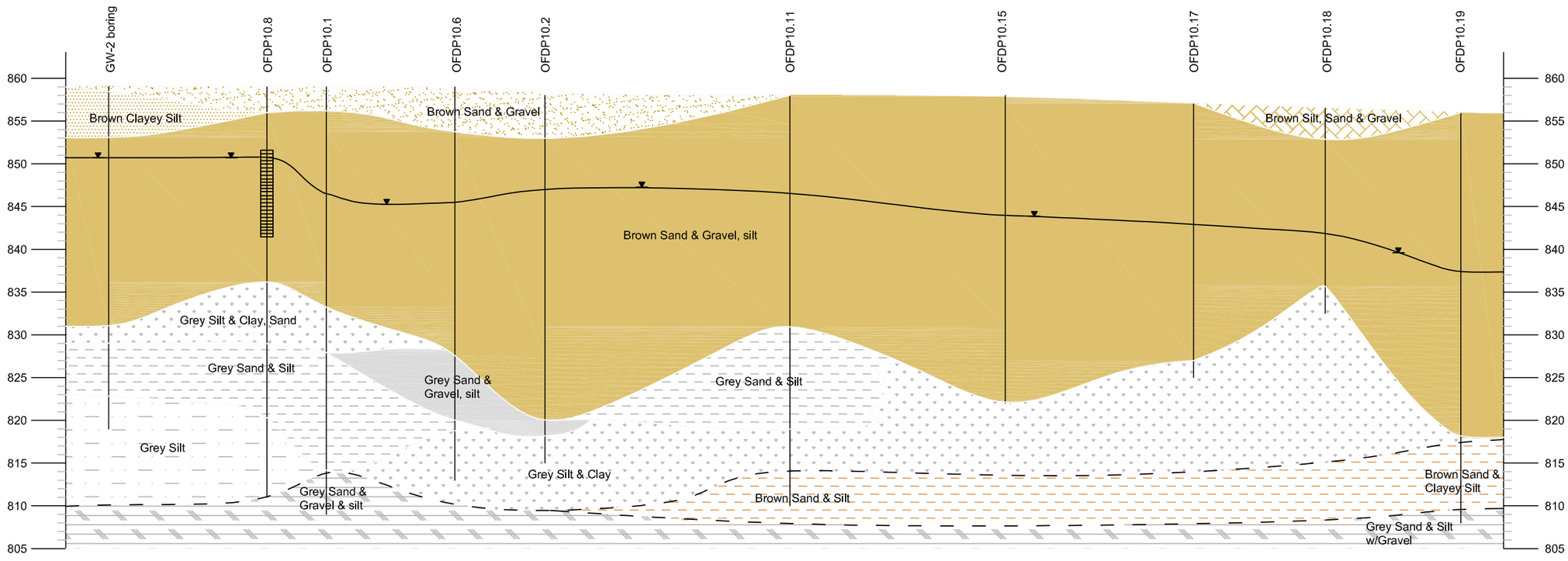
GeoLogic NY, Inc., Homer, New York

BORING / MONITORING WELL LOCATION PLAN
CASTLE'S FAST DRY CLEANERS
221 HOFFMAN STREET, ELMIRA, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
SMC/SDW	AS SHOWN	209053
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	JULY 2011	4

A
(North)

A'
(South)



APPROXIMATE HORIZONTAL SCALE:

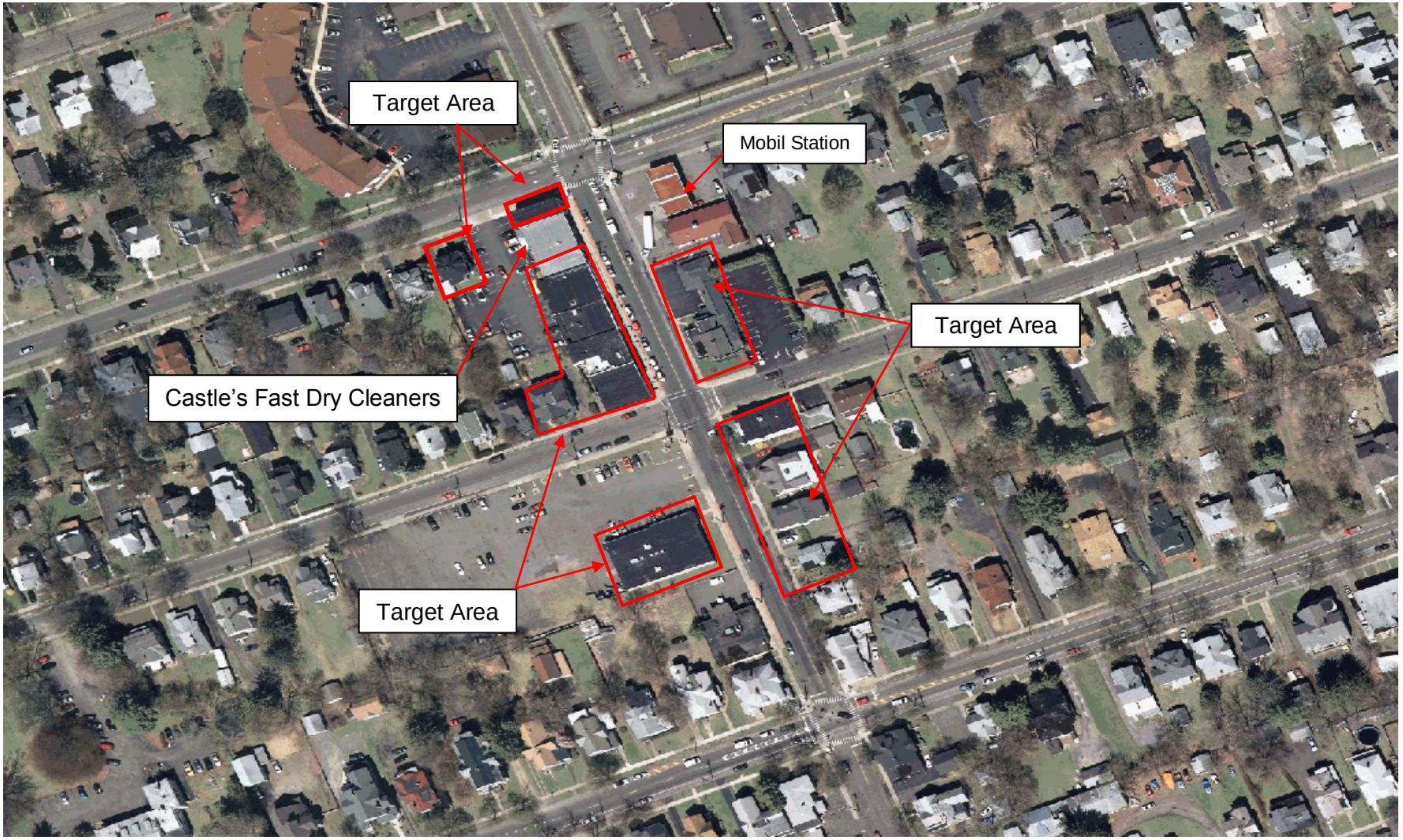
0' 50' 100' 200'

GeoLogic
GeoLogic NY, Inc., Homer, New York

CROSS SECTION A-A'
CASTLE'S FAST DRY CLEANERS
221 HOFFMAN STREET, ELMIRA, NY

DRAWN BY:	SCALE:	PROJECT NO.:
SMC/SDW	AS SHOWN	209053
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	AUG. 2011	5

\..\209053\TECH\Drawings\Cross Section.dwg



Source: www.nysgis.state.ny.us

SOIL VAPOR INTRUSTION INVESTIGATION PLAN
Castle's Fast Dry Cleaners
221 Hoffman Street
Elmira, New York
Drawing No. 6
209053

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N

LEGEND:

- BORING LOCATION
- 10 ppb — HYDROCARBON PLUME CONTOUR IN SAND & GRAVEL
- 10 ppb — CHLORINATED COMPOUNDS CONTOUR IN SAND & GRAVEL

APPROXIMATE SCALE:

0'10' 250' 500'

\..\209053\Tech\Drawings\Dissolved Plume Contour Plan.dwg

GeoLogic

GeoLogic NY, Inc., Homer, New York

DISSOLVED PLUME CONTOUR PLAN
CASTLE'S FAST DRY CLEANERS
221 HOFFMAN STREET, ELMIRA, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
SMC/SDW	AS SHOWN	209053
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	JULY 2011	7

N

LEGEND:

- MONITORING WELL LOCATION (BY GEOLOGIC NY, INC.)
- EXISTING MONITORING WELL LOCATION (BY MACTEC)
- 10 ppb — HYDROCARBON PLUME CONTOUR IN SAND & GRAVEL
- 10 ppb — CHLORINATED COMPOUNDS CONTOUR IN SAND & GRAVEL

PROPOSED MONITORING WELL LOCATION:

- SHALLOW
- DEEP
- CLUSTER SHALLOW AND DEEP

APPROXIMATE SCALE:

0' 10' 250' 500'

GeoLogic

GeoLogic NY, Inc., Homer, New York

PROPOSED MONITORING WELL LOCATION PLAN
CASTLE'S FAST DRY CLEANERS
221 HOFFMAN STREET, ELMIRA, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
SMC/SDW	AS SHOWN	209053
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	JULY 2011	8

\..\209053\Tech\Drawings\MW Location - Contours Plan.Dwg

APPENDIX C

SUBSURFACE LOGS

GeoLogic NY, Inc.
P.O. Box 350
Homer, New York 13077
(607) 749-5000

KEY TO SUBSURFACE LOG

Boring No.: B-1
Project No.: 209001
Date Started: 1/31/09
Date Completed: 1/31/09

Sheet 1 of 1

Project:
Location:

Reference Elevation: 100.0

Depth (ft.)	Sample No.	Type	SPT Blows	N-Value	Recovery (ft.)	PID Reading (ppm)	MATERIAL DESCRIPTION	REMARKS
0							Ground Surface	Water level at 2.0' with augers at 7.5'.
1	1	ss	1 2 2 1	4	2.0	32	Brown SILT, Some fine-coarse Sand, trace clay, moist-loose	At completion water level at 2.2' with augers at 10.0'.
2	2						Gray SHALE, medium hard weathered, thin bedded, some fractures	Run #1: 3.0'-5.0' 95% Recovery, 50% RQD

1 2 3 4 5 6 7 8 9 10

TABLE I

Identification of soil type is made on basis of an estimate of particle sizes, and in the case of fine-grained soils also on basis of plasticity.

Soil Type		Soil Particle	
Boulder		> 12"	
Cobble		12" - 3"	
Gravel	- Coarse	3" - 3/4"	Coarse Grained
	- Fine	3/4" - #4	(Granular)
Sand	- Coarse	#4 - #10	
	- Medium	#10 - #40	
	- Fine	#40 - #200	
Silt-Non Plastic (Granular)		< #200	Fine Grained
Clay-Plastic (Cohesive)			

TABLE II

The following terms are used in classifying soils consisting of mixtures of two or more soil types. The estimate is based on weight of total sample.

Term	Percent of Total Sample
"and"	35 - 50
"some"	20 - 35
"little"	10 - 20
"trace"	1 - 10

(When sampling gravelly soils with a standard split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter.)

TABLE III

The relative compactness or consistency is described in accordance with the following terms.

Granular Soils		Cohesive Soils	
Term	**Blows per Foot, N**	**Term**	**Blows per Foot, N**
Loose	< 11	Very Soft	< 2
Firm	11 - 30	Soft	2 - 4
Compact	31 - 50	Medium	4 - 8
Very Compact	> 51	Stiff	8 - 15
		Very Stiff	15 - 30
		Hard	>30

(Large particles in the soils will often significantly influence the blows per foot recorded during the Penetration Test.)

TABLE IV

Stratified Soils	
Descriptive Term	**Thickness**
Parting	- 0" - 1/16"
Seam	- 1/16" - 1/2"
Layer	- 1/2" - 12"
Stratum	- >12"
Varved Clay	- Alternating seams or layers of sand, silt & clay
Pocket	- small, erratic deposit, usually <12"
Lens	- lenticular deposit
Occasional	- one or less per foot of thickness
Frequent	- more than one per foot of thickness

TABLE V

Rock Classification Terms			
Term		**Meaning**	
Hardness	Soft	Scratched by fingernail	
	Medium Hard	Scratched easily by penknife	
	Hard	Scratched with difficulty by penknife	
	Very Hard	Cannot be scratched by penknife	
Weathering	Very Weathered	Judged from the relative amounts of disintegration,	
	Weathered	iron staining, core recovery, clay seams, etc.	
	Sound		
Bedding	Laminated	Natural breaks in Rock Layers	<1"
	Thin bedded		1"-4"
	Bedded		4"-12"
	Thick bedded		12"-36"
	Massive		>36"
(Fracturing refers to natural breaks in the rock oriented at some angle to the rock layers.)			

GENERAL INFORMATION & KEY TO SUBSURFACE LOGS

The information presented in the following defines some of the procedures and terms used on the Subsurface Logs to describe the conditions encountered.

1. The figures in the Depth column define the scale of the Subsurface Log.
2. The Sample No. is used for identification on sample containers.
3. The sample column shows, graphically, the depth range from which a sample was recovered. (ss – split spoon; core – rock core; st – shelby tube; dp – direct push). If not shown as a separate column, the sample type should be referenced in the Remark column or in the footnote.
4. Blows on Sampler - shows the results of the "Penetration Test", recording the number of blows required to drive a split spoon sampler into the soil. The number of blows required for each six inches of penetration is recorded. The first 6 inches of penetration is considered to be a seating drive. The number of blows required for the second and third 6 inches of penetration is termed the penetration resistance, N. The outside diameter of the sampler, the hammer weight and the length of drop are noted at the bottom of the Subsurface Log.
5. Recovery shows the length of the recovered soil sample for the sample device noted.
6. All recovered soil samples are reviewed in the office by an experienced technical specialist or geologist, unless noted otherwise. The visual descriptions are made on the basis of a combination of the field descriptions and observations and the sample as received in the office. The method of visual classification is based primarily on the Unified Soil Classification (ASTM D 2487-83) with regard to the particle size and plasticity. (See Table I). Additionally, the relative portion, by weight, of two or more soil types is described for granular soils in accordance with "Suggested Methods of Test for Identification of Soils" by D.M. Burmister, ASTM Special Technical Publication 479, June 1970. (See Table II) The description of the relative soil density or consistency is based upon the penetration records as defined on Table No. III. The description of the soil moisture is based upon the relative wetness of the soil as recovered and is described as damp, moist, wet and saturated. Water introduced in the boring either naturally or during drilling may have affected the moisture condition of the recovered sample. Special terms are used as required to describe materials in greater detail; several such terms are listed in Table IV. When sampling gravelly soils with a standard two-inch diameter split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders and large gravel is sometimes, but not necessarily, detected by an evaluation of the casing/hollow stem augers and samplers blows or through the "action" of the drill rig.
7. The description of the rock shown is based on the recovered rock core and the field observations. The terms frequently used in the description are included in Table V.
8. The stratification lines represent the approximate boundary between soil types, and the actual transition may be gradual.
9. Miscellaneous observations and procedures noted in the field are shown in this column, including water level observations. It is important to realize the reliability of the water level observations depends upon the soil type (water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the boring may have influenced the observations. The groundwater level typically will fluctuate seasonally. One or more perched or trapped water levels may exist in the ground seasonally. All the available readings should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or monitoring wells.
10. The length of core run is defined as the length of penetration of the core barrel. Core recovery is the length of core recovered divided by the core run. The RQD (Rock Quality Designation) is the total pieces of NX core exceeding 4 inches in length divided by the core run. The size of the core barrel used is also noted at the bottom of the subsurface log.

The Subsurface Logs attached to this report present the observations and mechanical data collected at the site, supplemented by classification of material removed from the borings as determined through visual identification. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. The data presented on the Subsurface Logs together with the recovered samples will provide a basis for evaluating the character of the subsurface conditions relative to the project. The evaluation must consider all the recorded details and their significance relative to each other. Often analyses of boring data indicate the need for additional testing or sampling procedures to more accurately evaluate the subsurface conditions. Any evaluation of the contents of this report and the recovered samples must be performed by knowledgeable Professionals.

GeoLogic
PO Box 350, Homer, NY 13077
607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

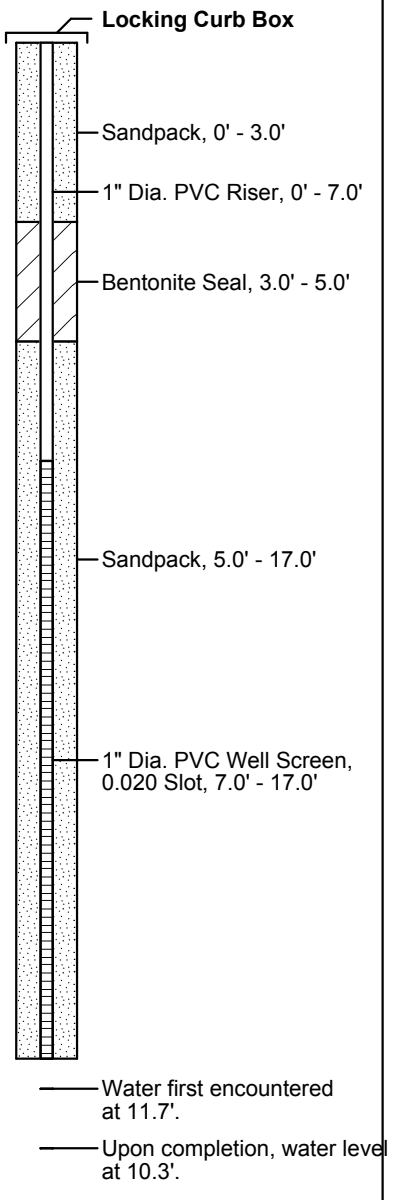
Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCEX 10-1
Project No.: : 209053
Date Started: : 07/07/10
Date Completed: : 07/07/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION
0					
	1	1.4	1.8	8260B/TCL	Brown fine-coarse SAND, GRAVEL and SILT, moist
					Brown fine-medium SAND and SILT, wet
4					
	2	2.3	1.5,1.7	8260B	Brown fine-coarse SAND and GRAVEL, little to Some Silt, wet
8					similar
	3	2.6	1.0,1.2	8260B	
12					saturated at 11.7'
16					
					BORING TERMINATED AT 17.0'
20					



Visually Classified by: Engineer

File: 209053/tech/CCEX 10-1

03-08-2011 P:\PROJECTS\2009\209053 - Castle Cleaners\TECH\CCEX 10-1.bor

GeoLogic
PO Box 350, Homer, NY 13077
607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCEX 10-2
Project No.: : 209053
Date Started: : 07/06/10
Date Completed: : 07/06/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0					Brown fine-coarse SAND and GRAVEL, Some Silt, moist	
	1	2.1	2.4, -	8260	No Recovery, 2.0' - 4.0'	
4					similar, little to Some Silt, moist	
	2	2.2	1.5,1.8	8260		
8					similar, wet	
	3	1.8	2.0,1.3	8260/TCL		Water first encountered at 11.8'. Upon completion, water level at 10.4'. Backfilled with Bentonite Chips. Asphalt patch at surface.
12					saturated at 11.8'	Drove mill slot to 12.5', sampled water.
					BORING TERMINATED AT 12.5'	
16						

Visually Classified by: Engineer

File: 209053/tech/CCEX 10-2

GeoLogic
PO Box 350, Homer, NY 13077
607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners
221 Hoffman Street
Elmira, New York

Boring No: : CCEX 10-3
Project No.: : 209053
Date Started: : 07/06/10
Date Completed: : 07/06/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0						
	1	2.6	1.4, 1.4	8260B	Brown fine-coarse SAND and GRAVEL, Some Silt, moist	
					Brown fine SAND and SILT, trace gravel, moist	
4					similar, moist	
	2	2.9	2.1,1.7	8260/TCL/MS/MSD	Brown fine-coarse SAND and GRAVEL, Some Silt	
8					similar, wet	
	3	2.6	1.0,1.4	8260B		
12					Brown fine-medium SAND, little to Some Silt, trace gravel, saturated	
	4	0.4	1.1	-	Brown fine-coarse SAND and GRAVEL, Some Silt, saturated	
16					No Recovery, gravel in end of shoe	
	5	0	-	-		
20					similar, saturated	
	6	0.2	-	-		
24					Brown fine-coarse GRAVEL, little to Some Silt and fine Sand, saturated	
	7	0.4	1.7	-		

Visually Classified by: Engineer

File: 209053/tech/CCEX 10-3

GeoLogic
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607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCEX 10-3
Project No.: : 209053
Date Started: : 07/06/10
Date Completed: : 07/06/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
26	7	0.4	1.7	-	No Recovery, similar, gravel in shoe	
30	8	0	-	-	No Recovery, similar, gravel in shoe	
34	9	0	-	-	Brown fine-coarse GRAVEL, little fine-coarse sand, little silt, saturated	Water first encountered at 11.0'. Upon completion, water level at 10.5'. Backfilled with Bentonite Chips. Asphalt patch at surface. Caved at 14.5' Deployed mill slot for water samples at: 10.0' - 14.0' 20.0' - 24.0' 28.0' - 32.0' 39.0' - 42.0'
38	10	1.9	16.7	-	similar	
42	11	2.3	0.9	-	Brown Gray fine-coarse SAND, GRAVEL and SILT, wet BORING TERMINATED AT 44.0'	
46						
50						

Visually Classified by: Engineer

File: 209053/tech/CCEX 10-3

GeoLogic
PO Box 350, Homer, NY 13077
607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCEX 10-4
Project No.: : 209053
Date Started: : 07/08/10
Date Completed: : 07/08/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0						
	1	1.3	1.4,2.5	-	Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist	
4					similar, Some Black material (Ash), wet	
	2	2.4	1.8,1.0	-		
					Brown fine-coarse SAND, GRAVEL and SILT, Some Black material (Ash / Coal), wet	
8						
	3	2.0	1.4,33.8	-	Brown fine-coarse SAND and GRAVEL, little to Some Silt, wet	
					saturated at 11.0'	Water first encountered at 11.0'.
						Upon completion, water level at 10.5'.
12						Backfilled with Bentonite Chips.
						Asphalt patch at surface.
						Deployed SP-15 from 10.0' - 14.0' for water sample.
					BORING TERMINATED AT 14.0'	
16						

Visually Classified by: Engineer

File: 209053/tech/CCEX 10-4

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GeoLogic
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607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCIN 10-1
Project No.: : 209053
Date Started: : 07/08/10
Date Completed: : 07/08/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0					Concrete floor 0.5' - 1.0' void	
	1	2.3	1.6,2.2	8260B	FILL(?): Brown fine-coarse SAND and GRAVEL, little silt, moist	
4					similar, moist	
	2	2.2	2.5,1.6	8260B/TCL/MS/MSD	Brown SILT and fine SAND, Some fine-coarse Gravel, coal, ash, wood, moist wet at 7.0'	
8					Brown fine-coarse SAND and GRAVEL, little to Some Silt, wet	Water first encountered at 11.5'. Upon completion, water level at 11.7'.
	3	1.9	1.9,2.2	8260B	saturated at 11.5'	Backfilled with Bentonite Chips. Concrete patch at surface. Caved at 6.0'. Drove mill slot to 13.0', sampled internal water from 11.0' - 13.0'.
12						
					BORING TERMINATED AT 13.0'	
16						

Visually Classified by: Engineer

File: 209053/tech/CCIN 10-1

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCIN 10-2
Project No.: : 209053
Date Started: : 07/08/10
Date Completed: : 07/08/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0				Concrete Floor 0.4' Obstruction at 0.9'	
				BORING TERMINATED AT 1.1' - EQUIPMENT REFUSAL	

Visually Classified by: S. Cummins

File: 209053/tech/CCIN 10-2

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCIN 10-3
Project No.: : 209053
Date Started: : 07/09/10
Date Completed: : 07/09/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0	1	3.1	1.7,2.5	8260B	Concrete floor 0.5' Brown fine-coarse SAND and GRAVEL, little silt, moist	
4	2	1.1	2.5,2.3	8260B/TCL	similar, little to Some Silt, moist Weathered Concrete, coal and ash in shoe	No free water observed. Backfilled with Bentonite Chips. Concrete patch at surface.
8					Refusal at 7.5'	
12						
16						

Visually Classified by: Engineer

File: 209053/tech/CCIN 10-3

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCIN 10-4
Project No.: : 209053
Date Started: : 07/09/10
Date Completed: : 07/09/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0	1	1.8	2.3	-	Concrete floor 0.5' Brown fine-coarse SAND and GRAVEL, little silt, moist	
4	2	2.1	1.7,2.1	-	similar, moist	No free water observed. Backfilled with Bentonite Chips.
	3	0.3	1.5	-	Black ASH and COAL, little fine-coarse sand and gravel, moist, concrete in end of shoe	Concrete patch at surface.
8					Refusal at 7.5'	
12						
16						

Visually Classified by: Engineer

File: 209053/tech/CCIN 10-4

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : CCIN 10-5
Project No.: : 209053
Date Started: : 07/08/10
Date Completed: : 07/08/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	Analysis	DESCRIPTION	REMARKS
0					Concrete floor 0.4' 11" void under concrete slab	
	1	2.1	2.2,2.5	8260B/TCL	Brown fine-coarse SAND and GRAVEL, little silt, moist similar, coal and ash	
4	2	2.3	2.1,2.3	8260B	similar, concrete in shoe	No free water observed. Backfilled with Bentonite Chips. Concrete patch at surface.
8					Refusal at 7.8'	
12						
16						

Visually Classified by: Engineer

File: 209053/tech/CCIN 10-5

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SUBSURFACE LOG - DIRECT PUSH

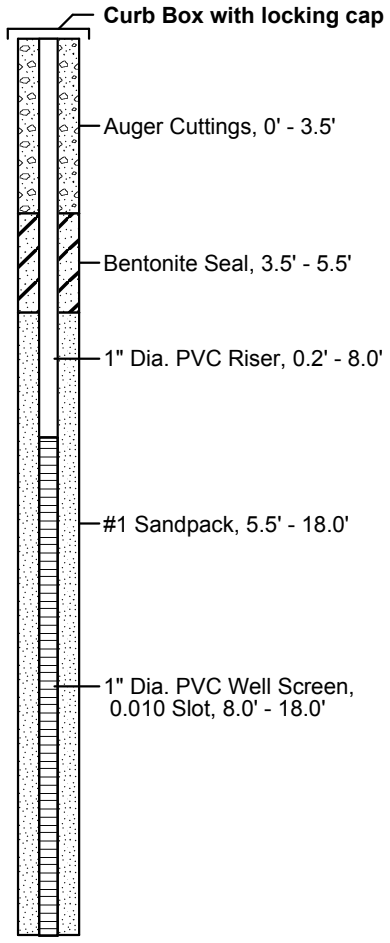
Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : GW-1
Project No.: : 209053
Date Started: : 11/03/10
Date Completed: : 11/03/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
0				
	1	1.3	0.4	Brown fine-coarse SAND and SILT, coal, little fine-coarse gravel, moist
				Brown fine-coarse SAND and GRAVEL, Some Silt, moist
4				
	2	3.2	0.2	
8				similar, saturated
	3	3.3	0.5	
12				similar, saturated
	4	1.4	0.7	
16				similar, saturated
	5	1.5	0.6	
20				similar, saturated
	6	0.8	0.7	
24				



Visually Classified by: Engineer

File: 209053/tech/GW-1

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : GW-2 (Boring)
Project No.: : 209053
Date Started: : 04/28/11
Date Completed: : 04/28/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	0.9	0	Grass at surface Topsoil 0.3' Gray Brown coarse-fine SAND, GRAVEL and Clayey SILT, moist	Well depth 16.7'.
4	2	2.9	0	Brown Gray Clayey SILT, little sand and gravel, moist Brown coarse-fine SAND, GRAVEL and SILT, moist	
8	3	3.6	0	Brown coarse-fine SAND and GRAVEL, Some Silt, saturated	
12	4	3.2	0	similar	
16	5	2.7	0	Gray zone similar	
20	6	2.2	-	similar Gray	
24	7	1.9	-	Brown Gray coarse-fine SAND and GRAVEL, Some to little silt, saturated	
28	8	3.5	-	Gray coarse-fine SAND, GRAVEL and SILT, saturated Brown fine SAND, little to Some Silt with fine SAND and SILT seams, saturated	
32	9	3.7	-	Gray fine SAND and SILT, saturated, with seams Gray fine SAND, little silt, saturated	Water level at 12.6'.
36	10	4.0	-	Gray SILT, saturated	Caved at 7.5'.
40				BORING TERMINATED AT 40.0'	

Visually Classified by: S. Cummins

File: 209053/tech/GW-2 (Boring)

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SUBSURFACE LOG - DIRECT PUSH

Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : GW-1
Project No.: : 209053
Date Started: : 11/03/10
Date Completed: : 11/03/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
24	7	0	0.2	No Recovery
				Gray SILT and CLAY, saturated
28	8	1.8	0.3	
				Gray fine SAND, Some Silt, trace fine gravel, saturated
32	9	2.0	0.4	
				Gray SILT, trace fine sand, saturated
36	10	0.4	0.4	
				similar, fine sand lenses, saturated
	11	2.0	0.3	
				similar, saturated
40	12	3.0	0.3	
				Sampler Refusal at 43.0'
44				BORING TERMINATED AT 44.0'
48				

——— Water first encountered at 12.0'.

——— Advanced SP-15 groundwater sampler to 44.0', screened interval 40.0' - 44.0', collected water sample.

Visually Classified by: Engineer

File: 209053/tech/GW-1

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SUBSURFACE LOG - DIRECT PUSH

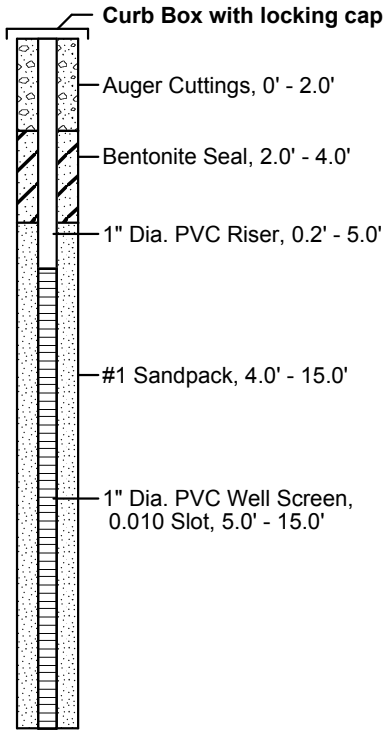
Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.1
Project No.: : 209053
Date Started: : 11/04/10
Date Completed: : 11/04/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
0	1	1.1	0	Possible FILL: Brown fine-coarse SAND and GRAVEL, Some Silt, brick, coal, moist
4	2	1.1	0.1	Brown fine-coarse SAND and GRAVEL, little silt, moist - wet
8	3	1.8	0	similar, wet - saturated
12	4	0.6	0	similar, Some Silt, saturated
16	5	1.8	1.4	similar, little silt, saturated
20	6	3.1	0.9	similar, saturated
24	7	3.2	0	similar, little silt, saturated



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File: 209053/tech/ODDP-10.1

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SUBSURFACE LOG - DIRECT PUSH

Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.1
Project No.: : 209053
Date Started: : 11/04/10
Date Completed: : 11/04/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
26	7	3.2	0	Brown Clayey SILT and fine SAND, trace gravel, saturated
30	8	0	0	Brown Gray fine-medium SAND, little silt, saturated
34	9	2.0	0	similar, Silt and fine Sand lenses, saturated
38	10	-	0	Gray fine-medium SAND, Some fine-coarse Gravel, little silt, saturated
42	11	-	0	Gray fine-coarse GRAVEL and SAND, little to Some Silt, saturated
46	12	-	0	similar, saturated
50				BORING TERMINATED AT 50.0'

——— Water first encountered at 12.5'.

——— Caved at 12.0'.

Visually Classified by: Engineer

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SUBSURFACE LOG - DIRECT PUSH

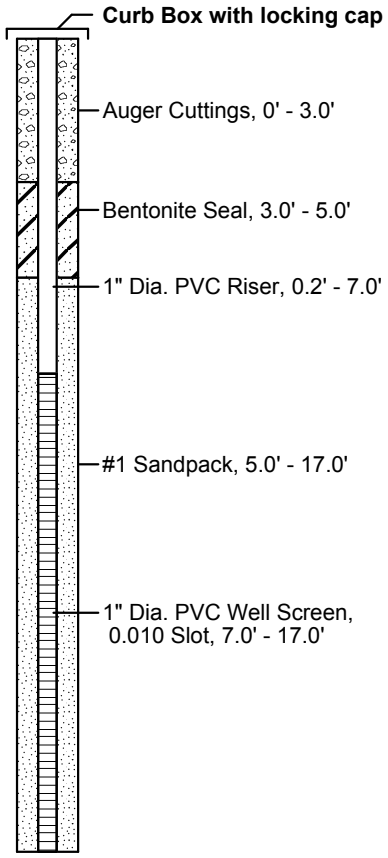
Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP-10.2
Project No.: : 209053
Date Started: : 11/05/10
Date Completed: : 11/05/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
0				
	1	0.8	0	Possible FILL: Brown fine-coarse SAND and GRAVEL, little to Some Silt, wet
4				similar, moist - wet
	2	1.2	0	
8				Brown fine-coarse SAND and GRAVEL, little to Some Silt, wet
	3	1.4	0.3	
12				similar, wet
	4	1.2	0.6	
16				similar, saturated
	5	0.8	0.6	
20				similar
	6	0.8	0.6	
24				



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File: 209053/tech/ODDP-10.2

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SUBSURFACE LOG - DIRECT PUSH

Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP-10.2
Project No.: : 209053
Date Started: : 11/05/10
Date Completed: : 11/05/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
25				Brown fine-coarse SAND and GRAVEL, little silt, saturated
	7	2.8	0	
29				similar, saturated
	8	2.3	0	
33				similar
37	9	2.9	0	
				Gray fine-medium SAND, Some Gravel, little silt, saturated
				Gray varved SILT and CLAY with fine Sand lenses, saturated
41	10	3.1	0	
				BORING TERMINATED AT 43.0'
45				
49				

——— Water first encountered at 12.0'.

——— Upon completion, water level at 12.0'.

Visually Classified by: Engineer

File: 209053/tech/ODDP-10.2

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.3
Project No.: : 209053
Date Started: : 11/08/10
Date Completed: : 11/08/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.4	0.5	Asphalt 0.5' Brown fine-coarse SAND and GRAVEL, little to Some Silt, concrete, coal, moist - wet	
4	2	1.6	0.2	Brown fine-coarse SAND and GRAVEL, little silt, wet	
8	3	1.7	0.5	similar, little to Some Silt, saturated	
12	4	1.6	0.8	similar, saturated	
16	5	1.4	1.8	similar	
20	6	3.6	2.3	Brown fine SAND and SILT with fine-medium Sand lenses, saturated	
24	7	4.0	0.9	Gray fine SAND, Some Silt, saturated	
28	8	-	0.2	Gray fine-coarse SAND, GRAVEL and SILT, wet	
32	9	-	0.2	Gray SILT and fine SAND, saturated	Water first encountered at 8.0'. Upon completion, water level at 14.3'.
36				Gray SILT, saturated	
40				BORING TERMINATED AT 41.0'	

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.3

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.4
Project No.: : 209053
Date Started: : 11/08/10
Date Completed: : 11/09/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	2.0	0.3	Brown fine-coarse SAND and GRAVEL, little silt, wet	
4	2	1.8	0.1	similar, wet	
8	3	1.8	0.2	similar, saturated	
12	4	1.8	0.4	similar, little silt, saturated	
16	5	2.0	0.2	similar, saturated	
20	6	3.8	1.0	Brown fine-coarse SAND and GRAVEL, little silt, saturated	
24	7	2.6	0.1	Gray varved SILT and CLAY, saturated Gray fine SAND and SILT, saturated Gray SILT and CLAY with zone of Sand and Gravel, saturated	Water first encountered at 12.0'.
28					
32				BORING TERMINATED AT 32.0'	
36					
40					

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.4

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SUBSURFACE LOG - DIRECT PUSH

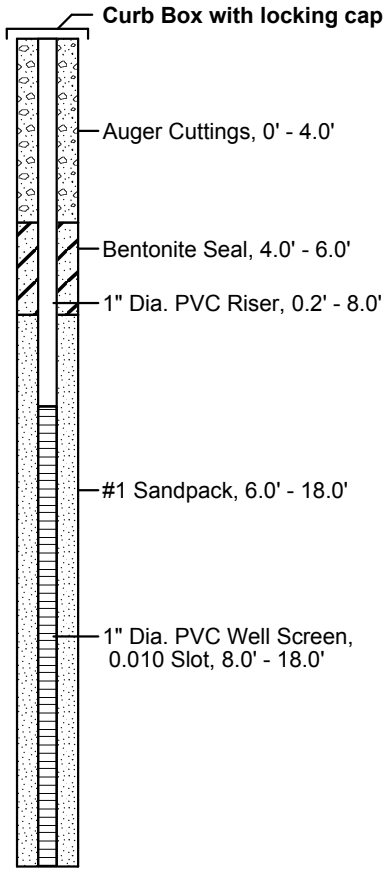
Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.5
Project No.: : 209053
Date Started: : 11/09/10
Date Completed: : 11/09/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
0	1	1.9	0.7	Brown SILT, little fine-coarse sand and gravel, moist
4	2	1.4	1.0	Brown fine-coarse SAND and GRAVEL, little silt, moist
8	3	1.3	0.8	similar, wet
12	4	2.1	0.9	similar with Some Silt, saturated
16	5	1.8	1.0	similar, saturated
20	6	2.6	0.7	similar with little silt, saturated
24				



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SUBSURFACE LOG - DIRECT PUSH

Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.5
Project No.: : 209053
Date Started: : 11/09/10
Date Completed: : 11/09/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
26				
	6	2.6	0.7	similar, saturated
30				
	7	2.2	0.7	
34				similar, little silt, saturated
	8	3.6	0.7	
38				Gray fine SAND, Some Silt, trace gravel, saturated
	9	2.3	0.7	
42				fine-medium SAND, little silt zone
				similar with little gravel, saturated
46	10	2.1	0.7	
				BORING TERMINATED AT 49.0'
50				

——— Water first encountered at 13.5'.

——— Upon completion, water level at 16.4'.

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.5

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.6
Project No.: : 209053
Date Started: : 11/10/10
Date Completed: : 11/10/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	0.8	0.2	Topsoil 0.7' Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist	
4	2	1.3	0.4		
8	3	1.8	0.5	similar, saturated	
12	4	1.6	0.2	similar	
16	5	1.8	0.3	Brown fine-coarse GRAVEL, Some fine-coarse Sand, little silt, saturated	
20	6	2.4	0.3	Brown fine-coarse SAND and GRAVEL, trace to little silt, saturated	
24	7	2.3	0.4		
28	8	2.6	0.2	Gray fine-coarse SAND and GRAVEL, Some to little silt, saturated	
32	9	3.0	0.5	Gray fine-medium SAND, little silt, wet	
36	10	3.0	0.5	Gray fine-coarse SAND, GRAVEL and SILT, wet - saturated	Water first encountered at 11.0'.
40	11	2.0	0.4		Upon completion, water level at 13.1'.
44				BORING TERMINATED AT 46.0'	
48					

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.6

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SUBSURFACE LOG - DIRECT PUSH

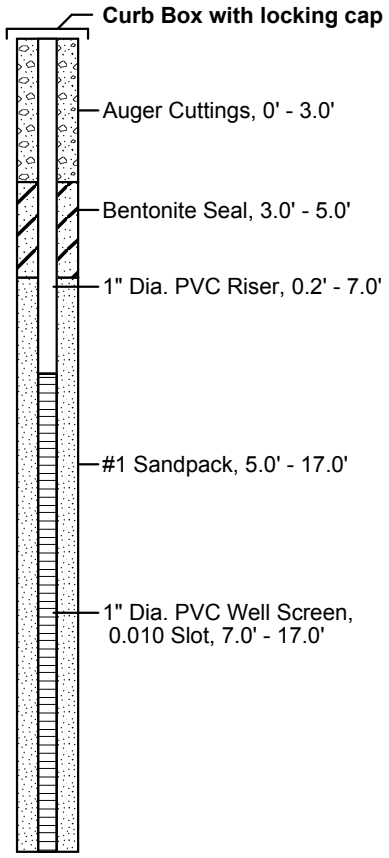
Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.7
Project No.: : 209053
Date Started: : 11/10/10
Date Completed: : 11/10/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
0				
	1	2.2	0	Topsoil 0.7' Brown SILT, moist
4				
	2	2.3	0.2	Brown fine-coarse SAND and GRAVEL, little to Some Silt, wet similar
8				
	3	2.1	0.2	
12				similar, saturated
	4	1.6	0.4	
16				similar
	5	1.8	0.2	
20				
	6	3.2	0.1	Brown fine-coarse SAND and GRAVEL, little to Some Silt, saturated
24				



Visually Classified by: Engineer

File: 209053/tech/OFDP-10.7

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SUBSURFACE LOG - DIRECT PUSH

Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.7
Project No.: : 209053
Date Started: : 11/10/10
Date Completed: : 11/10/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
25				
	6	3.2	0.1	
29				similar, saturated
	7	3.4	0.3	Gray fine-medium SAND, little silt, saturated
33				Gray Clayey SILT, little fine-medium sand, saturated
	8	3.4	0.4	Gray medium-fine SAND, Some Silt, little gravel, saturated
37				
	9	3.0	0.2	Gray SILT and CLAY, saturated
				Gray fine-medium SAND, little silt, saturated
41				No Recovery
	10	0	0.4	
				similar, saturated
45	11	2.2	0.4	Gray fine-coarse SAND, GRAVEL and SILT, satutated
				BORING TERMINATED AT 47.0'
49				

——— Water first encountered at 13.5'.

——— Upon completion, water level at 11.4'.

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.7

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607-749-5000 / 607-749-5063 (fax)

SUBSURFACE LOG - DIRECT PUSH

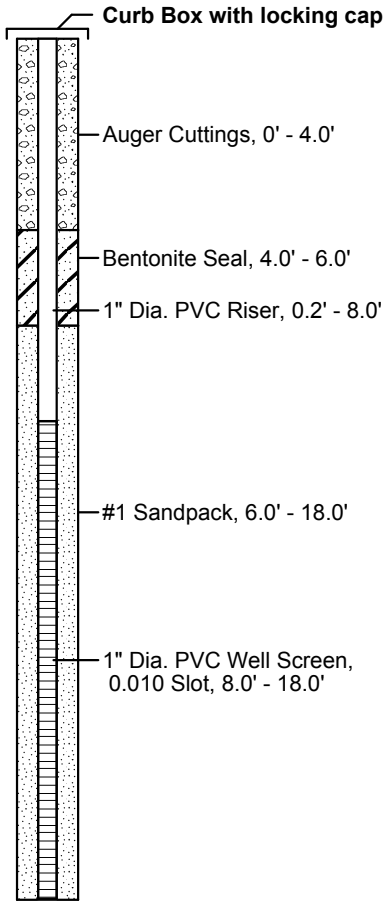
Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.8
Project No.: : 209053
Date Started: : 11/11/10
Date Completed: : 11/11/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
0	1	3.2	0.2	FILL: Brown fine-coarse SAND and GRAVEL, Some Silt, brick, coal, moist
				Brown SILT, Some fine-coarse Sand and Gravel, moist
4	2	2.4	9.9	Brown Gray fine-coarse SAND and GRAVEL, Some Silt, moist - wet
8				Gray fine-coarse SAND and GRAVEL, little to Some Silt, petroleum odor
	3	2.0	124.3	similar, saturated
12				Gray fine-coarse SAND and GRAVEL, little silt, saturated, odor
16	4	2.2	55	similar, saturated
20	5	2.8	44	Brown fine-coarse SAND and GRAVEL, little to Some Silt, saturated
				Gray SILT and CLAY, wet
24	6	2.3	28.4	



Visually Classified by: Engineer

File: 209053/tech/OFDP-10.8

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SUBSURFACE LOG - DIRECT PUSH

Castle Fast Dry Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.8
Project No.: : 209053
Date Started: : 11/11/10
Date Completed: : 11/11/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION
25				
	6	2.3	28.4	Gray SILT and CLAY, wet
29				
	7	2.3	41	Gray fine SAND and SILT, saturated
33				similar, grades to Gray SILT and fine SAND, saturated
	8	3.3	59	
37				
	9	3.2	114	Gray fine SAND, little to Some Silt, saturated
				Gray SILT with fine SAND lenses, saturated
41				similar, saturated
	10	3.4	25.8	
45				BORING TERMINATED AT 48.0'
49				

——— Water first encountered at 12.0'.

Visually Classified by: Engineer

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.9
Project No.: : 209053
Date Started: : 11/11/10
Date Completed: : 11/11/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.9	0.2	Topsoil 0.5' Brown fine-coarse SAND, GRAVEL and SILT, moist	
4	2	1.8	0.3	Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist	
8	3	1.6	0.3	similar, wet	
12	4	1.3	0.6	similar, saturated	
16	5	0.8	0.4	similar, saturated	
20	6	2.4	0.3	similar, saturated	
24	7	1.2	0.2	similar, saturated	
28	8	0.2	0.4	Gray SILT, wet Gray fine-medium SAND, little fine gravel, little silt, saturated	
32	9	2.1	0.3	Gray fine-coarse SAND and GRAVEL, little to Some Silt, saturated	
36	10	0.2	0.3	similar, saturated	Water first encountered at 14.0'. Upon completion, water level at 13.9'.
40					
44					
48				BORING TERMINATED AT 49.0'	

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.9

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.10
Project No.: : 209053
Date Started: : 11/12/10
Date Completed: : 11/12/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.1	0.1	Topsoil 0.4' Brown SILT and fine SAND, moist	
4	2	0	0.2	Brown fine-coarse SAND and GRAVEL, Some Silt, moist	
8	3	2.0	0.1	similar, wet	
12	4	0.5	0.1	similar, saturated	
16	5	1.9	0.2	similar, saturated	
20	6	-	0.3	similar, saturated	
24	7	2.4	0.2	similar, saturated	
28	8	1.8	0.3	Gray Brown fine-coarse SAND, Some Gravel, little silt, saturated	
32	9	3.4	0.2	Gray SILT, wet	
36	10	3.1	0.2	similar, wet - saturated	
40					
44					
48				BORING TERMINATED AT 48.0'	

Visually Classified by: Geologist

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.11
Project No.: : 209053
Date Started: : 11/12/10
Date Completed: : 11/12/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.2	0.2	Asphalt 0.2' Brown fine-coarse SAND and GRAVEL, Some Silt, moist	
4	2	1.6	0.4	similar	
8	3	0.8	0.2	similar, wet	
12	4	1.6	0.2	similar, saturated	
16	5	2.9	0.3	similar, saturated	
20	6	3.2	0.5	Gray Brown fine-coarse SAND, trace silt, saturated	
24	7	2.2	0.3	Brown fine-coarse SAND and GRAVEL, little silt, saturated Gray Brown fine-coarse SAND, little silt, saturated	
28	8	2.0	0.4	similar	
32	9	-	0.3	Gray Brown fine SAND, Some Silt, saturated Gray SILT, saturated	
36	10	3.0	0.3	Gray fine SAND and SILT seams, saturated	
40					
44					
48				REFUSAL AT 48.3'	

Visually Classified by: Geologist

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.12
Project No.: : 209053
Date Started: : 11/15/10
Date Completed: : 11/15/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.4	0.5	Topsoil 0.5' Brown fine-coarse SAND and GRAVEL, Some Silt, wood, moist	
4	2	1.6	0.7	Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist	
8	3	1.8	0.5	similar	
12	4	1.5	0.5	similar, saturated	
16	5	2.1	0.6	similar, saturated	
20	6	0.5	0.7	similar	
24	7	2.6	0.7	similar, saturated	
28	8	2.4	0.6	similar	
32	9	1.6	0.8	Brown Gray fine-coarse SAND, little to Some fine-coarse Gravel, little silt, saturated Gray fine SAND and SILT, wet	Upon completion, water level at 16.3'. Backfilled with cuttings. Caved at 16.0'.
36					
40					
44				BORING TERMINATED AT 44.0'	
48					

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.12

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.13
Project No.: : 209053
Date Started: : 11/15/10
Date Completed: : 11/15/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.4	0.3	Topsoil 0.5' Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist	
4	2	3.1	1.1		
8	3	4.0	0.4	similar	
12	4	3.2	1.1	similar	
16	5	2.0	0.4	similar, saturated	
20	6	1.9	0.7	similar, saturated	
24				Brown fine-medium SAND, little silt, saturated	
28	7	4.0	0.6	Brown Gray SILT and CLAY, saturated	Water first encountered at 18.0'.
32	8	3.6	0.4	Gray SILT, saturated	Upon completion, water level at 17.1'. Backfilled with cuttings. Caved at 14.3'.
36				BORING TERMINATED AT 38.0'	
40					
44					
48					

Visually Classified by: Engineer

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.14
Project No.: : 209053
Date Started: : 11/15/10
Date Completed: : 11/16/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.8	0.3	FILL: Brown fine-coarse SAND and GRAVEL, Some Silt, brick, moist	
4	2	2.1	0.8	Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist - wet	
8	3	1.9	0.5	similar	
12					
16	4	2.0	3.1		
20	5	1.8	0.9		
24	6	2.1	1.7		
28	7	2.4	1.0	Brown fine-medium SAND, little to Some Silt, saturated	
32	8	2.3	0.2	Brown fine-coarse SAND and GRAVEL, little silt, saturated	
36				Gray Brown Clayey SILT, Some fine-coarse Sand and Gravel, wet	
40	9	2.1	0.1	Gray fine-medium SAND, little silt, saturated similar, grades to Gray fine SAND, little silt, saturated	Water first encountered at 14.0'. Upon completion, water level at 15.4'.
44	10	2.3	0.2	similar, saturated	Backfilled with cuttings. Caved at 15.0'.
48				BORING TERMINATED AT 49.0'	

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.14

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.15
Project No.: : 209053
Date Started: : 11/16/10
Date Completed: : 11/16/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	0.4	0.7	Topsoil at surface Brown fine-coarse SAND and GRAVEL, Some Silt, moist	
4	2	1.6	1.0	similar, moist	
8	3	1.2	1.4	similar	
12	4	1.0	1.2	Brown SILT, Some fine-coarse SAND and GRAVEL, saturated	
16	5	2.4	1.5	Brown fine-coarse SAND and GRAVEL, little silt, saturated	
20	6	3.8	1.3	similar	
24	7	4.0	1.2	Brown Gray fine-coarse SAND and GRAVEL, Some to little silt, saturated	Water first encountered at 14.0'. Upon completion, water level at 13.7'. Backfilled with cuttings.
28	8	2.0	1.3	similar	
32					
36				REFUSAL AT 36.0'	
40					

Visually Classified by: Engineer

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.16
Project No.: : 209053
Date Started: : 11/16/10
Date Completed: : 11/16/10

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	1.6	0.3	Topsoil 0.5' Brown SILT, Some coarse-fine Sand and Gravel, coal, wet	
4	2	0.3	0.2	Brown fine-coarse SAND and GRAVEL, little to Some Silt, moist	
8	3	1.8	0.4	similar	
12	4	0.6	0.2	similar, saturated	
16	5	1.4	0.2	similar	
20	6	3.1	0.3	similar	
24	7	2.1	0.1	similar, saturated	
28	8	3.4	0.2	Brown fine-medium SAND, trace gravel and silt, saturated	
32	9	3.5	0.3	Brown Gray fine-coarse GRAVEL and SAND, little silt, saturated	Water first encountered at 14.5'. Upon completion, water level at 15.2'. Backfilled with cuttings.
36	10	1.2	0.3	Gray fine-coarse SAND and GRAVEL, Some Silt, wet	Caved at 14.7'.
40				BORING TERMINATED AT 49.0'	
44					
48					

Visually Classified by: Engineer

File: 209053/tech/OFDP-10.16

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.17
Project No.: : 209053
Date Started: : 04/27/11
Date Completed: : 04/27/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0				Topsoil	
	1	1.1	0	Brown coarse-fine SAND, GRAVEL and SILT, damp	
4				similar	
	2	1.9	0		
8				similar	
	3	1.7	0.1		
12				saturated Brown coarse-fine SAND and GRAVEL, Some to little silt, saturated	Deployed SP-15 from 12' - 16'; collected water sample.
	4	2.7	0.7		
16				similar	
	5	1.0	0		
20				similar	
	6	2.5	-		
24				Brown coarse-fine SAND and GRAVEL, Some Silt, saturated	
	7	2.6	-		
28				Gray zone	Deployed SP-15 from 28' - 32'; collected water sample.
	8	1.7	-	Brown SILT with fine SAND seam, saturated	Caved at 9'.
32				BORING TERMINATED AT 32.0'	
36					

Visually Classified by: S. Cummins

File: 209053/tech/OFDP-10.17

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.18
Project No.: : 209053
Date Started: : 04/27/11
Date Completed: : 04/27/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0				Topsoil	
	1	1.9	0	Brown SILT and coarse-fine SAND, little gravel, moist	
4				Brown coarse-fine SAND, GRAVEL and SILT, moist - damp	
	2	2.2	0	saturated	
8				Brown coarse-fine SAND and GRAVEL, Some to little silt, saturated	
	3	0.8	0		
12				similar	Deployed SP-15 from 12' - 16'; collected water sample.
	4	1.7	0		
16				similar	Deployed SP-15 from 17' - 21'; collected water sample.
	5	0.8	0		Caved at 9.5'.
20				Gray varved SILT and CLAY, trace gravel, moist	
	6	4.0	0		
24				BORING TERMINATED AT 24.0'	
28					

Visually Classified by: S. Cummins

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.19
Project No.: : 209053
Date Started: : 04/25/11
Date Completed: : 04/25/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	0.4	0	Topsoil	
4	2	1.2	0.1	Brown coarse-fine SAND, GRAVEL and SILT, moist with wet seam	
8	3	2.3	0.1	similar	
12	4	3.2	0.2	saturated Brown coarse-fine SAND and GRAVEL, Some to little silt, saturated	Deployed millslot from 12' - 14'; collected water sample. Water level at 12.6'.
16	5	2.6	0.2	similar	
20	6	2.4	0	similar	
24	7	0.9	0	Brown coarse-fine SAND and GRAVEL, little silt, saturated	
28	8	2.2	0	similar	
32	9	3.1	0	similar	
36	10	3.5	0	similar	
40	11	3.1	0	Brown medium-fine SAND, little clayey silt, saturated Brown fine SAND, Some Clayey SILT, saturated	Deployed millslot from 46' - 48'; collected water sample.
44	12	2.7	0.2	Gray coarse-fine SAND, SILT and GRAVEL, saturated	Upon completion, water level at 13.6'. Caved at 8.0'.
48				BORING TERMINATED AT 48.0'	

Visually Classified by: S. Cummins

File: 209053/tech/OFDP-10.19

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.20
Project No.: : 209053
Date Started: : 04/26/11
Date Completed: : 04/26/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0	1	3.1	0	FILL: Black Brown SILT, CINDER, and ASH, moist	
				Brown Clayey SILT, little sand, wet	
4	2	2.2	0.2	Brown coarse-fine SAND, GRAVEL and SILT, wet	
8	3	1.9	0.1	similar	
				saturated	
12	4	0.8	0.2	Brown coarse-fine SAND and GRAVEL, Some to little silt, saturated	Deployed millslot from 14' - 16'; collected water sample. Water level at 14.7'.
16	5	1.7	0	similar	
20	6	0.2	0	similar	
24	7	1.3	0	Brown coarse-fine SAND, little silt and gravel with seam Brown fine SAND and SILT, saturated	
28	8	1.2	1.1	grades with Some Gravel, saturated	
32	9	3.3	0.4	Gray SILT, Some fine Sand, saturated	Deployed millslot from 38' - 40'; collected water sample.
36	10	4.0	0	layers of Gray SILT, and Gray SILT and fine SAND, saturated	Unable to get water level reading at completion of boring, rods silty. Caved at 9'.
40				BORING TERMINATED AT 40.0'	
44					

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.21
Project No.: : 209053
Date Started: : 04/27/11
Date Completed: : 04/27/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0				Grass at surface Topsoil 0.8'	
	1	1.3	-	Brown coarse-fine SAND and Clayey SILT, Some Gravel, saturated	
				Brown coarse-fine SAND, GRAVEL and SILT, wet	
4					
	2	0.4	-	similar, damp	
8				similar, saturated	
	3	1.7	-		
12				Brown coarse-fine SAND and GRAVEL, Some to little silt, saturated	Deployed SP-15 from 12' - 16'; collected water sample. Water level at 7.7'.
	4	2.3	-		
16				similar	
	5	3.1	-		
20				similar	
	6	2.2	-		
24				Brown coarse-fine SAND and GRAVEL, little silt, saturated	Deployed SP-15 from 24' - 28'; collected water sample.
	7	3.0	-		Caved at 9'.
				Gray Brown SILT and CLAY, wet	
28				BORING TERMINATED AT 28.0'	

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File: 209053/tech/OFDP-10.21

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SUBSURFACE LOG - DIRECT PUSH

Castle Cleaners

221 Hoffman Street

Elmira, New York

Boring No: : OFDP 10.22
Project No.: : 209053
Date Started: : 04/26/11
Date Completed: : 04/26/11

Depth (ft)	Sample No.	Recovery (ft)	PID Reading (ppm)	DESCRIPTION	REMARKS
0				Topsoil	
	1	1.4	0	Brown coarse-fine SAND and Clayey SILT, Some Gravel, wet	
4				Brown coarse-fine SAND, GRAVEL and SILT, moist	
	2	2.2	0		
8				similar	
	3	3.2	0		
				saturated	
12				Brown coarse-fine SAND and GRAVEL, Some to little silt, saturated	Deployed SP-15 from 12' - 16'; collected water sample. Water level at 11.0'.
	4	3.4	0		
16				similar	
	5	0.8	0		
20				similar	
	6	0.7	0		
24				similar	
	7	1.2	0		Deployed SP-15 from 26' - 30'; collected water sample.
28					Caved at 8.5'.
	8	1.9	0	Gray SILT and CLAY, moist	
				becomes Brown	
32				BORING TERMINATED AT 32.0'	

Visually Classified by: S. Cummins

File: 209053/tech/OFDP-10.22

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