

**FINAL LETTER REPORT  
SOIL VAPOR AND GROUNDWATER SAMPLING**

**SPECTRUM FINISHING CORPORATION  
(Site No.: 1-52-029)  
50 Dale Street, Babylon, Suffolk County, New York**

**Prepared for**

**New York State Department of Environmental Conservation**

**Prepared by:**

**Camp Dresser & McKee  
15 British American Boulevard  
Latham, New York**

**September 2007**



15 British American Boulevard  
Latham, New York 12110  
(518) 782-4500

September 21, 2007

Mr. David J. Chiusano  
NYSDEC  
Remedial Bureau E, Section A  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7017

Re: Work Assignment #D006131-1  
Spectrum Finishing Corporation  
Babylon, Suffolk County, New York  
Site ID No. 1-52-059

Dear Mr. Chiusano:

Camp Dresser & McKee (CDM) is pleased to present this letter report that outlines the procedures, sampling approach followed while performing soil vapor and groundwater sampling at the above referenced site. This letter report outlines tasks associated with the soil vapor intrusion and groundwater investigation at the Spectrum Finishing Corporation site (herein referred to as the Site) located at 50 Dale Street, Town of Babylon, Suffolk County, New York. This project was a part of the New York State Department of Environmental Conservation (NYSDEC) Work Assignment #D006131-1. The scope of work was prepared by NYSDEC in the work assignment dated January 22, 2007. CDM prepared a Health and Safety Plan (HASP) and Quality Assurance Project Plan (QAPP) and submitted them with the project work plan on March 27, 2007. The work plan was approved by NYSDEC on April 5, 2007. This portion of the work assignment was conducted in accordance with the New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006.

## Site Background and History

The following subsections describe the Site and provide a brief overview of the operational history.

### Location

The Site is located at 50 Dale Street in the Pinelawn Industrial Area in the Town of Babylon, Suffolk County, New York. The Site is approximately 0.67 acre in size and consists of one



Mr. David Chiusano  
September 21, 2007  
Page 2

concrete block building and a parking lot north of the former Spectrum building (see Figure 1 and site photo log in Appendix A).

## **Operational/Disposal History**

Spectrum operated at the site from 1968 until 1994. The company specialized in electroplating high strength alloys and descaling titanium alloys for the aerospace industry. The site and surrounding area are provided with public water. However, storm water and sanitary sewage are discharged into stormwater dry wells and sanitary septic systems/cesspools, respectively, located adjacent to the building.

Site inspection and sampling from 1970 to 1974 revealed discharges of hazardous wastes from leaking holding tanks into the storm drains. High levels of heavy metals were detected from the sediment samples taken from a leaking tank, the storm drains, and site runoff. Analysis revealed the presence of cadmium at a concentration of 12,000 parts per million (ppm), copper at 340 ppm and nickel at 83 ppm.

NYSDEC issued a Phase 1 - Preliminary Investigation Final Report for Spectrum in 1984 that reviewed past sampling data and recommended a Phase 2 investigation. NYSDEC completed the Phase 2 Investigation Report in March 1988 that revealed cadmium, chromium, copper, iron, and zinc in exceedance of NYSDEC recommended soil cleanup objectives. In addition, analysis of the groundwater showed exceedances of the NYS groundwater standards for cadmium, copper, lead and trichloroethene (TCE). Subsequently, the NYSDEC classified the Site as a Class 2 inactive hazardous waste site in 1990. In 1994, Spectrum filed for bankruptcy and ceased operation at the site.

## **Remedial History**

The following provides a brief summary of the remedial history at the Site.

- In November 1997 the Environmental Protection Agency (EPA) performed a Time Critical Removal Action to address drums, vats sumps and other waste containers left on-site. The wastes were all removed and disposed of at permitted facilities by April 1998, floors were scraped, and walls and floors were pressure washed. Post removal sampling revealed no residual contamination in the building.
- NYSDEC conducted a remedial investigation/feasibility study (RI/FS) between June 1999 and May 2001.



Mr. David Chiusano  
September 21, 2007  
Page 3

- NYSDEC conducted interim remedial measures in 2000 to remove sediments from 11 cesspools and drainage structures contaminated with volatile organics (VOCs), semi-VOCs, polychlorinated biphenyls (PCBs), metals and pesticides. Residual metals concentrations still exceeded the cleanup objectives.

## Site Geology and Hydrogeology

The overburden deposits encountered at the site consist of fill material, underneath which is glacial outwash underlain by a confining clay layer. The prevalent overburden material is the glacial outwash which consists of fine to coarse sands and gravel and is referred to as the Upper Glacial Aquifer. The sands and Upper Glacial Aquifer are continuous across the site and is the predominant water-bearing unit investigated at the site. The confining clay layer was encountered in deep monitoring well borings at approximately 90 feet below ground surface (bgs).

The water table has been observed during previous investigation at approximately 18 feet bgs. The groundwater beyond the boundaries of the site has been contaminated by trichloroethene and is primarily associated with the Town of Babylon landfill.

## Groundwater Sampling

CDM collected groundwater elevation data and samples from eleven existing shallow groundwater monitoring wells and one temporary well in the shallow aquifer at the Site and surrounding area. The temporary well was installed to a depth of 20 feet bgs near the approximate location of MW-13, which could not be found. Upgradient well MW-9 was inadvertently missed during the initial sample collection in April and this well was sampled on August 1, 2007. The monitoring well locations are shown on Figure 2.

Groundwater grab samples were collected on April 24, 2007 using disposable polyethylene bailers. Depth to groundwater and bottom of the well data was recorded at each location prior to collecting the samples. Groundwater flow in the shallow aquifer was observed to be in the southeasterly direction as shown on Figure 3. This is consistent with previous groundwater flow directions. Samples were collected for volatile organic compounds (VOCs) by EPA Method 8260B and metals by EPA Method SW-846. Upon completing the sampling of the temporary well at MW-13, it was removed and the borehole was backfilled with bentonite up to the ground surface.

Table 1 provides a summary of sample identification, depth to groundwater and groundwater elevation for each sample location in the shallow aquifer. The groundwater samples were submitted to Chemtech in Mountainside, New Jersey for analysis. Data validation was completed by Nancy Potak of Greensboro, Vermont. The groundwater analytical results are discussed later in this letter report



Mr. David Chiusano  
September 21, 2007  
Page 4

## **Subsurface Soil Vapor Point Installation**

Soil vapor points were installed at 18 locations at the Site and surrounding area on April 24 and 25, 2007 by Zebra Environmental, in accordance with NYSDOH soil vapor intrusion guidance. Two points (shallow and deep) were installed at each location at depths of 6 feet and 12 feet bgs and the locations are shown on Figure 2.

The soil vapor points were installed to the desired sampling depth using direct push drilling methods. A Geoprobe drive point was used to reach the desired depth and a 6-inch double woven stainless steel screen was attached to 3/8-inch Teflon lined tubing and placed at the desired depth. The borehole was then backfilled around the screen with sand to a minimum depth of six inches above the screen followed by six inches of dry granular bentonite. Hydrated bentonite was then placed to the ground surface. The bentonite was allowed to set-up overnight prior to sample collection.

## **Subsurface Soil Vapor Sampling and Analysis**

CDM collected soil vapor samples from 36 sample points installed the previous two days. Prior to sampling, each sample point was tested for short circuiting using the helium tracer gas test in accordance with the NYSDOH guidance document as follows:

- The soil vapor sampling tube is run through a hole in the prepared enclosure that is placed over the borehole.
- Helium gas is released through a sample port into the enclosure until a concentration of greater than 80 percent (%) is reached. The Helium enriched environment is monitored and confirmed with a Dielectric multi-gas detector inserted into a second sample port.
- After confirming 80% helium in the enclosure, the soil vapor sampling tube is purged using the low-flow air sample pump purging at a rate of not more than 0.2 liters per minute and discharging into a one-liter Tedlar bag. The Tedlar bag is removed when full, and screened for helium using a helium gas detector and for VOCs using a MiniRae photo ionization detector (PID). Tracer gas testing was performed at all sample locations.

The helium detections observed during tracer tests were found to be less than ten percent, as required by the NYSDOH guidance. Table 2 provides a summary of the soil vapor sample identification, trace gas test reading, PID reading, and the canisters and regulators used at each location.

The samples were collected on April 26, 2007 using 1.4 Liter Summa canisters equipped with a one-hour lab calibrated regulator. Sample collection was terminated before the canister vacuum reached zero inches of mercury. The canister vacuum levels at the start and end of



Mr. David Chiusano  
September 21, 2007  
Page 5

sample collection was recorded on the sample label, in the field log book and on the sample chain of custody form. The SUMMA canister was labeled with the sample identification, the start and end time of sample collection, date, project identification and requested laboratory analysis. The soil vapor samples were submitted to Chemtech for VOC analysis using EPA Method TO-15. The sample results are discussed below.

### **Outdoor Ambient Air Sampling and Analysis**

Two outdoor ambient air samples were collected during the soil vapor sampling near Spectrum; one (AA-1) in the parking lot area near sample SV-10 and the second (AA-2) on Dale Street between samples SV-17 and SV-20. The outdoor samplers were setup using 6-liter Summa canisters equipped with one-hour flow regulators. These samples were also collected on April 26, 2007 at the same time the soil vapor samples in that vicinity were being collected.

Sample collection was terminated before the canister vacuum reached zero inches of mercury. The canister vacuum levels at the beginning and end of sample collection were recorded on the sample label and in the field log book and on the sample chain of custody form. Each Summa canister was labeled with sample identification, the start and end time of sample collection, start and end vacuum, date, project identification and required laboratory analysis. The outdoor ambient air samples were also submitted to Chemtech for VOC analysis using EPA Method TO-15.

### **Groundwater Sampling Results**

The eleven groundwater samples from the shallow aquifer at the Site were analyzed for VOCs and metals by Chemtech. MW-9 was not analyzed for metals. The analytical results were compared to New York State Ambient Water Quality Standards (NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1). Table 3 and Table 4 provide a summary of groundwater analytical results for VOCs and metals, respectively.

Tetrachloroethene (PCE) and trichloroethene (TCE) were the only VOCs detected in eight of the eleven monitoring wells sampled. PCE was detected above the standard of 5.0 micrograms per liter ( $\mu\text{g/L}$ ) in six of the eleven wells with concentrations ranging from 12  $\mu\text{g/L}$  (MW-2) to 140  $\mu\text{g/L}$  (MW-6S). TCE was detected in well MW-9 at 12  $\mu\text{g/L}$ . Figure 4 shows the VOC concentrations above Ambient Water Quality Standards and Guidance Values (AWQS).

Metal concentrations exceeded the AWQS for aluminum, antimony, cadmium, chromium, copper, iron, lead, manganese and nickel. The primary contaminants of concern, nickel, Chromium and cadmium were found in wells MW-3, MW-4, MW-6 and MW-12 with the highest concentrations around MW-4 and MW-6. These wells are downgradient of the Site in the direction of groundwater flow. Table 4 provides a summary of the metals results along



Mr. David Chiusano  
September 21, 2007  
Page 6

with the AWQS. Table 5 provides a side by side comparison of the 2001 and 2007 TCE, PCE and metals results in shallow groundwater. Figure 5 shows the metal exceedances above AWQS in shallow groundwater.

### **Soil Vapor and Ambient Air Sample Results**

Thirty-six subsurface soil vapor samples were analyzed by Chemtech for VOCs (EPA Method TO-15). The results were compared to the NYSDOH sub-slab vapor concentrations to determine if additional investigation may be necessary. Elevated levels of PCE and trichloroethene (TCE) were found in the shallow and deep subsurface soil vapor samples at the Site and surrounding area. PCE concentrations in the shallow samples ranged from 5 to 1,817 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) and 5 to 2,042  $\mu\text{g}/\text{m}^3$  in the deep sample as shown on Figures 6 and 7, respectively. TCE concentrations in the shallow samples ranged from 1 to 186  $\mu\text{g}/\text{m}^3$  and 1 to 105  $\mu\text{g}/\text{m}^3$  in the deep sample as shown on figures 8 and 9, respectively. NYS does not have standards, criteria or guidance values for concentrations of VOCs in subsurface vapors. Table 6 provides a summary of the soil vapor sample results.

### **Data Validation**

Data validation was completed by Ms. Nancy Potak of Greensboro, Vermont. A copy of the Data Usability Summary Report (DUSR) is provided in Attachment B.

### **Site Survey**

A site boundary and sample location survey was completed by Om P. Popli Consulting Engineers and Surveyors of Penfield, New York. A copy of the property boundary map is included in Attachment C.

### **Conclusions and Recommendations**

Based on the groundwater analytical data, groundwater contamination for metals, primarily nickel, cadmium and chromium, exists at the Site and downgradient of the site. The levels have decreased since the initial sampling and removal effort at the Site.

PCE and TCE were found in the shallow groundwater above groundwater standards at the Site in both upgradient and downgradient. TCE was found in the upgradient well MW-9 at levels higher than the 2001 sample round indicating a potential upgradient and off-site source of contamination. Potential offsite and upgradient sources include NTU Circuits (Site No. 1-52-086), Town of Babylon Landfill (Site No. 1-52-029) and US Electroplating (Site No. 1-52-027). The PCE contamination does not appear to be widespread and has decreased since the initial removal and 2001 sample round. Contamination in the shallow aquifer appears to be traveling with the groundwater flow in the southeasterly direction.



Mr. David Chiusano  
September 21, 2007  
Page 7

Elevated levels of VOCs, primarily PCE and TCE were found in the subsurface soil vapors across the site. To further evaluate potential health risks, CDM recommends sub-slab and building air sampling be conducted at the Site and surrounding properties.

CDM is available to meet with you to review the report and address NYSDEC comments. If you have any questions, please call me at (518) 782-4509.

Very truly yours,

A handwritten signature in blue ink that reads 'John P. Blaum'.

John P. Blaum, P.E.  
Senior Project Manager  
Camp Dresser & McKee

**Attachments:**

*Figure 1 - Site Location Map*

*Figure 2 - Soil Vapor and Monitoring Well Sample Locations*

*Figure 3 - Groundwater Elevation Contours in Shallow Overburden*

*Figure 4 - VOC Concentrations in Shallow Groundwater Above Ambient Water Quality Standards*

*Figure 5 - Metals Exceedances for Ambient Water Quality Standards ( $\mu\text{g}/\text{L}$ )*

*Figure 6 - PCE Concentrations in Shallow (6-foot) Soil Vapor Samples ( $\mu\text{g}/\text{m}^3$ )*

*Figure 7 - PCE Concentrations in Deep (12-foot) Soil Vapor Samples ( $\mu\text{g}/\text{m}^3$ )*

*Figure 8 - TCE Concentrations in Shallow (6-foot) Soil Vapor Samples ( $\mu\text{g}/\text{m}^3$ )*

*Figure 9 - TCE Concentrations in Deep (12-foot) Soil Vapor Samples ( $\mu\text{g}/\text{m}^3$ )*

*Table 1 - Groundwater Elevation and Sample Information Summary*

*Table 2 - Soil Vapor Sample Information Summary*

*Table 3 - Summary of Subsurface Soil Vapor and Outdoor Ambient Air Analytical Results*

*Table 4 - Summary of Groundwater Analytical Results for Metals - April 2007*

*Table 5 - Comparison of Groundwater Sample Results - April 2001 to April 2007*

*Table 6 - Summary of Soil Vapor Analytical Results - April 2007*

*Attachment A - Photo Log*

*Attachment B - Site Survey Boundary Map*

*Attachment C - Data Usability Report*

*Attachment D - Complete Laboratory Report on CD*



Table 2  
 NYSDEC Work Assignment # D006131-1  
 Spectrum Finishing Corporation Site No. 1-52-029  
 Soil Vapor Sample Information Summary

Subsurface Soil Vapor Sampling					
Location	Sample ID	Depth of Sample (Ft BGS)	PID Reading (PPM)	Helium Tracer Test Reading	Summa No. & Reg No.
SV-1S	152029-SV1S	6.0	0.6	0	10740/10564
SV-1D	152029-SV1D	12.0	0.6	0	10134/10109
SV-2S	152029-SV2S	6.0	0.6	0	10760/10179
SV-2D	152029-SV2D	12.0	0.6	0	10659/10508
SV-3S	152029-SV3S	6.0	0.7	0	10800/10549
SV-31S*	152029-SV31S*	6.0			10738/10536
SV-3D	152029-SV3D	12.0	0.9	0	10681/10563
SV-4S	152029-SV4S	6.0	1.2	0	10793/10178
SV-4D	152029-SV4D	12.0	1.5	0	10656/10172
SV-5S	152029-SV5S	6.0	0.4	0	10728/10781
SV-5D	152029-SV5D	12.0	0.5	0	10415/10690
SV-6S	152029-SV6S	6.0	0.5	0	10111/10539
SV-6D	152029-SV6D	12.0	0.7	0	10651/10248
SV-7S	152029-SV7S	6.0	0.7	0	10799/10697
SV-7D	152029-SV7D	12.0	0.8	0	10792/10188
SV-8S	152029-SV8S	6.0	0.9	0	10756/10572
SV-8D	152029-SV8D	12.0	0.9	0	10741/10204
SV-9S	152029-SV9S	6.0	1.2	0	10438/10634
SV-9D	152029-SV9D	12.0	1.1	0	10452/10237
SV-10S	152029-SV10S	6.0	0.9	0	10423/10226
SV-10D	152029-SV10D	12.0	2.1	0	10727/10622
SV-11S	152029-SV11S	6.0	1.2	0	10140/10177
SV-11D	152029-SV11D	12.0	0.5	0	10129/10484
SV-12S	152029-SV12S	6.0	0.3	0	10427/10165
SV-12D	152029-SV12D	12.0	1.1	0	10131/10102
SV-13S	152029-SV13S	6.0	0.8	0	10677/10229
SV-13D	152029-SV13D	12.0	0.8	0	10133/10714
SV-15S	152029-SV15S	6.0	0.7	0	10720/10217
SV-15D	152029-SV15D	12.0	1.0	0	10117/10542
SV-17S	152029-SV17S	6.0	1.0	0	10676/10173
SV-171S*	152029-SV171S*	6.0			10417/10587
SV-17D	152029-SV17D	12.0	1.4	0	10668/10711
SV-18S	152029-SV18S	6.0	0.9	0	10663/10698
SV-18D	152029-SV18D	12.0	0.9	0	10118/10504
SV-20S	152029-SV20S	6.0	1.0	0	10661/10234
SV-20D	152029-SV20D	12.0	0.9	0	10413/10181
SV-21S	152029-SV21S	6.0	0.6	0	10759/10548
SV-21D	152029-SV21D	12.0	0.7	0	10669/10538
Ambient Air Sampling					
Location	Sample ID	Summa No. & Reg No.			
Near SV-10	152059-OA-AA1	10008/10694			
On Dale between SV-18+ SV-17	152059-OA-AA2	100058/10633			

BGS= Below Ground Surface  
 \* - Duplicate Sample  
 S= Shallow  
 D= Deep  
 SV-Soil Vapor

Table 6  
Spectrum Finishing Corporation  
Site No. 1-52-029  
Summary of Soil Vapor Analytical Results for VOCs - April 2007

Sample ID	SV-1S	SV-1D	SV-2S	SV-2D	SV-3S	SV-3SDL	SV-3D	SV-3DDL	SV-31S	SV-31SDL	SV-4S	SV-4SDL	SV-4D	SV-4DDL	SV-5S	SV-5SDL	SV-5D	SV-5DDL	SV-6S	SV-6SDL	SV-6D	SV-6DDL	SV-7S															
Lab Sample Number	Y2495-18	Y2495-19	Y2495-10	Y2495-11	Y2495-07	Y2495-07DL	Y2495-08	Y2495-08DL	Y2495-09	Y2495-09DL	Y2414-11	Y2414-11DL	Y2414-12	Y2414-12DL	Y2414-07	Y2414-07DL	Y2414-08	Y2414-08DL	Y2414-01	Y2414-01DL	Y2414-02	Y2414-02DL	Y2495-12															
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07															
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR															
Dilution Factor	1.0	1.0	1.0	1.0	1.0	20.0	1.0	20.0	1.0	20.0	5.0	62.0	5.0	64.0	1.0	20.0	2.0	20.0	1.0	20.0	1.0	20.0	1.0															
Units	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>															
COMPOUND	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q															
Dichlorodifluoromethane	3.02	2.87	4.31	4.45	19.6	20.8	D	22	25.7	D	21.7	25.7	D	8.41	10.89	U	8.17	11.38	U	4.95	3.56	U	7.18	10.9	D	3.02	3.56	U	2.97	3.56	U	2.92						
Chloromethane	0.07	U	0.07	U	0.07	U	0.07	U	1.47	U	0.07	U	1.47	U	0.37	U	4.5	U	0.37	U	4.7	U	0.07	U	1.47	U	0.55	1.47	U	0.07	U	1.47	U	0.07	U			
Vinyl Chloride	0.08	U	0.08	U	0.08	U	0.08	U	1.53	U	0.08	U	1.53	U	0.38	U	4.86	U	0.38	U	4.86	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U		
Bromomethane	0.13	U	0.13	U	0.13	U	0.13	U	2.64	U	0.13	U	2.64	U	0.66	U	8.16	U	0.66	U	8.55	U	0.13	U	2.64	U	0.66	U	2.64	U	0.13	U	2.64	U	0.13	U		
Chloroethane	0.1	U	0.1	U	0.1	U	0.1	U	2.02	U	0.1	U	2.02	U	0.51	U	6.38	U	0.51	U	6.38	U	0.1	U	2.02	U	0.51	U	2.02	U	0.1	U	2.02	U	0.1	U		
Trichlorofluoromethane	2.63	2.69	7.23	7.51	43.7	42.6	D	53.3	47.9	56	D	47.9	56	D	12.9	9.53	U	11.2	10.09	U	11.9	14.6	D	15.4	21.3	D	4.43	3.14	U	3.92	3.14	U	4.2					
Isopropyl Alcohol	0.03	U	0.03	U	0.03	U	0.03	U	0.59	U	0.03	U	0.59	U	0.15	U	1.82	U	0.15	U	1.89	U	0.03	U	0.59	U	0.15	U	0.59	U	2.5	0.59	U	0.03	U			
Dichlorotetrafluoroethane	0.22	U	0.22	U	0.22	U	0.22	U	4.34	U	0.22	U	4.34	U	1.12	U	13.29	U	1.12	U	13.99	U	0.22	U	4.34	U	1.12	U	4.34	U	0.22	U	4.34	U	0.22	U		
1,1,2-Trichlorotrifluoroethane	1.07	1.3	1.45	0.19	U	1.07	3.82	U	1.22	3.82	U	1.15	3.82	U	0.92	U	12.24	U	0.92	U	12.24	U	0.84	3.82	U	0.92	U	3.82	U	0.84	3.82	U	0.84	3.82	U	0.19	U	
Bromoethene	0.11	U	0.11	U	0.11	U	0.11	U	2.28	U	0.11	U	2.28	U	0.57	U	7	U	0.57	U	7.44	U	0.11	U	2.28	U	0.57	U	2.28	U	0.11	U	2.28	U	0.11	U		
Propene	6.27	7.23	5.02	17	15.4	21.3	D	30.7	42.3	D	15.4	24.7	D	40.8	55.4	D	59.4	68.2	D	13.6	21.6	D	46	62.5	D	13.1	21.6	D	14.5	23	D	3.71						
Heptane	1.8	0.78	1.8	2.09	2.49	3.27	U	1.96	3.27	U	2.7	3.27	U	2.86	10.22	U	3.48	10.63	U	0.98	3.27	U	2.25	3.27	U	0.65	3.27	U	1.23	3.27	U	1.92						
1,1-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	2.46	U	0.12	U	2.46	U	0.63	U	7.54	U	0.63	U	7.93	U	0.12	U	2.46	U	0.63	U	2.46	U	0.12	U	2.46	U	0.12	U		
Ethyl Acetate	4.71	4.57	4	6.3	6.08	1.58	U	0.08	U	1.58	U	6.15	1.58	U	0.4	U	5.04	U	0.4	U	5.04	U	0.08	U	1.58	U	0.4	U	1.58	U	0.08	U	1.58	U	0.08	U		
Acetone	24.1	34.8	27.6	43.9	106	E	102	D	58.9	E	63.6	D	110	E	136	D	50.6	48.5	D	105	77.4	D	29.7	35.1	D	68.1	87.8	D	29.5	31.3	D	37	40.8	D	21.5			
Carbon Disulfide	0.07	U	0.07	U	1.12	1.87	0.07	U	1.49	U	1.74	1.49	U	0.07	U	1.49	U	2.02	4.66	U	5.91	4.66	U	0.07	U	1.49	U	2.8	1.49	U	0.99	1.49	U	0.53				
Methyl tert-Butyl Ether	0.09	U	0.09	U	1.22	0.09	U	0.86	1.73	U	0.09	U	1.73	U	0.43	U	5.4	U	0.43	U	5.4	U	21.3	23	D	47.5	53.3	D	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U
Methylene Chloride	1.32	3.02	1.98	1.6	1.56	1.04	U	1.53	1.04	U	2.19	1.56	1.04	U	3.82	3.23	U	19.5	3.34	U	0.76	1.04	U	4.52	1.04	U	11.9	27.1	D	3.72	1.04	U	1.39					
Allyl Chloride	0.08	U	0.08	U	0.08	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U	0.38	U	4.72	U	0.38	U	4.72	U	0.08	U	1.51	U	0.38	U	1.51	U	0.08	U		
trans-1,2-Dichloroethene	0.13	U	0.13	U	0.13	U	0.13	U	2.7	U	0.13	U	2.7	U	0.67	U	8.33	U	0.67	U	8.73	U	0.13	U	2.7	U	0.67	U	2.7	U	0.13	U	2.7	U	0.13	U		
Vinyl Acetate	0.14	U	0.14	U	0.14	U	0.14	U	2.81	U	0.14	U	2.81	U	0.7	U	8.79	U	0.7	U	9.15	U	0.14	U	2.81	U	0.7	U	2.81	U	0.14	U	2.81	U	0.14	U		
1,1-Dichloroethane	0.14	U	0.14	U	0.14	U	0.65	2.75	U	0.89	2.75	U	0.65	2.75	U	21.5	25.1	JD	24.1	25.9	JD	0.14	U	2.75	U	0.69	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U
Cyclohexane	0.1	U	0.64	J	0.1	U	0.77	2.98	2.08	U	0.1	U	2.08	U	3.76	2.08	U	0.54	U	6.37	U	0.1	U	2.08	U	0.54	U	2.08	U	0.1	U	2.08	U	0.1	U			
2-Butanone	11.4	9.63	7.45	12	13.8	11.8	JD	14.9	13.5	D	13.8	14.7	D	16	8.54	U	40.5	8.83	U	18.1	18.8	D	37.4	40	D	5.18	2.77	U	13.1	12.4	D	4.62						
Carbon Tetrachloride	0.19	U	0.19	U	0.19	U	0.19	U	3.78	U	0.19	U	3.78	U	0.94	U	11.97	U	0.94	U	11.97	U	0.19	U	3.78	U	0.94	U	3.78	U	0.19	U	3.78	U	0.19	U		
cis-1,2-Dichloroethene	0.13	U	0.13	U	0.13	U	0.13	U	2.7	U	0.13	U	2.7	U	0.67	U	8.33	U	0.67	U	8.73	U	0.13	U	2.7	U	0.67	U	2.7	U	0.13	U	2.7	U	0.13	U		
Chloroform	0.68	0.97	0.68	0.58	0.88	2.34	U	1.46	2.34	U	0.97	2.34	U	2.68	7.3	U	2.68	7.3	U	0.12	U	2.34	U	0.58	U	2.34	U	0.12	U	2.34	U	0.12	U	2.34	U	0.97	U	
1,4-Dioxane	0.19	U	0.19	U	0.19	U	0.19	U	3.96	U	0.19	U	3.96	U	0.97	U	11.88	U	0.97	U	12.6	U	0.19	U	3.96	U	0.97	U	3.96	U	0.19	U	3.96	U	0.19	U		
1,1,1-Trichloroethane	0.12	U	1.41	19.8	16.9	272	E	274	D	291	E	329	D	308	E	356	D	183	229	D	153	157	D	208	E	239	D	243	292	D	20.6	26.1	D	18.2	21.8	D	8.21	
Tetrahydrofuran	0.82	0.17	U	0.8	0.17	U	1.3	3.53	U	0.17	U	3.53	U	1.33	3.53	U	0.88	U	10.9	U	0.88	U	11.19	U	0.17	U	3.53	U	0.88	U	3.53	U	0.17	U	3.53	U	0.17	U
2,2,4-Trimethylpentane	1.31	0.14	U	3.5	0.14	U	1.63	2.89	U	0.14	U	2.89	U	1.63	2.89	U	0.75	U	8.86	U	0.75	U	9.33	U	0.14	U	2.89	U	0.75	U	2.89	U	0.14	U	2.89	U	0.75	U
Benzene	2.01	1.85	2.04	3	2.07	1.6	U	3.8	1.6	U	2.2	1.6	U	3.83	5.1	U	7.66	5.1	U	1.79	1.6	U	6.7	8.93	D	0.99	1.6	U	1.28	1.6	U	1.6	U	1.66				
1,2-Dichloroethane	0.12	U	0.12	U	0.12	U	0.12	U	2.43	U	0.12	U	2.43	U	0.61	U	7.69	U	0.61	U	7.69	U	0.12	U	2.43	U	0.61	U	2.43	U	0.12	U	2.43	U	0.12	U		
Trichloroethene	0.19	U	0.19	U	1.88	0.54	J	2.95	3.86	U	3.05	3.86	U	4.02	11.79	U	3.48	12.32	U	11.3	12.9	D	20.6	23.6	D	6.48	3.86	U	9.7	10.7	JD	0.59						
1,2-Dichloropropane	0.23	U	0.23	U	0.23	U	0.23	U	4.53	U	0.23	U	4.53	U	1.11	U	13.87	U	1.11	U	14.33	U	0.23	U	4.53	U	1.11	U	4.53	U	0.23	U	4.53	U	0.23	U		
Bromodichloromethane	0.27	U	0.27	U	0.27	U	0.27	U	5.37	U	0.27	U	5.37	U	1.34	U	16.77	U	1.34	U	17.44	U	0.27	U	5.37	U	1.34	U	5.37	U	0.27	U	5.37	U	0.27	U		
4-Methyl-2-Pentanone	3.52	1.39	3.72	2.74	2.17	2.13	U	3.72	2.13	U	2.45	2.13	U	9.41	6.54	U																						

Table 6  
Spectrum Finishing Corporation  
Site No. 1-52-029  
Summary of Soil Vapor Analytical Results for VOCs - April 2007

Sample ID	SV-7D	SV-8S	SV-8SDL	SV-8D	SV-9S	SV-9SDL	SV-9D	SV-9DDL	SV-10S	SV-10SDL	SV-10D	SV-10DDL	SV-11S	SV-11SDL	SV-11D	SV-11DDL	SV-12S	SV-12D	SV-13S	SV-13D	SV-15S	SV-15SDL	SV-15D	SV-15DDI
Lab Sample Number	Y2495-13	Y2495-14	Y2495-14DL	Y2495-15	Y2414-13	Y2414-13DL	Y2414-14	Y2414-14DL	Y2414-09	Y2414-09DL	Y2414-10	Y2414-10DL	Y2414-03	Y2414-03DL	Y2414-04	Y2414-04DL	Y2414-05	Y2414-06	Y2495-16	Y2495-17	Y2414-15	Y2414-15DL	Y2414-16	Y2414-16D
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
Dilution Factor	1.0	1.0	20.0	1.0	2.0	20.0	2.0	20.0	2.0	20.0	5.0	1.0	1.0	10.0	1.0	10.0	1.0	1.0	1.0	1.0	1.0	10.0	1.0	10.0
Units	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>
COMPOUND	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Dichlorodifluoromethane	2.97	3.56	3.56	3.46	22.6	30.7	19.8	29.7	4.36	3.56	5.69	3.56	2.72	1.78	2.67	1.78	2.62	2.97	2.82	2.97	3.27	1.78	3.37	1.78
Chloromethane	0.07	0.07	1.47	0.07	0.15	1.47	0.15	1.47	0.15	1.47	0.37	1.47	0.07	0.74	0.07	0.74	0.07	0.07	0.07	0.07	0.07	0.74	0.07	0.74
Vinyl Chloride	0.08	0.08	1.53	0.08	0.15	1.53	0.15	1.53	0.15	1.53	0.38	1.53	0.08	0.77	0.08	0.77	0.08	0.08	0.08	0.08	0.08	0.77	0.08	0.77
Bromomethane	0.13	0.13	2.64	0.13	0.26	2.64	0.26	2.64	0.26	2.64	0.66	2.64	0.13	1.32	0.13	1.32	0.13	0.13	0.13	0.13	0.13	1.32	0.13	1.32
Chloroethane	0.1	0.1	2.02	0.1	0.2	2.02	0.2	2.02	0.2	2.02	0.51	2.02	0.1	1.01	0.1	1.01	0.1	0.1	0.1	0.1	0.1	1.01	0.1	1.01
Trichlorofluoromethane	4.48	4.09	3.14	4.37	68.8	89.7	60.3	81.8	12.9	16.8	12	14.6	2.8	1.57	3.19	1.57	3.81	2.97	2.75	3.08	2.86	1.57	3.25	1.57
Isopropyl Alcohol	0.03	0.03	0.59	0.03	0.06	0.59	0.06	0.59	0.06	0.59	0.15	0.59	0.22	0.29	0.03	0.29	0.03	0.03	0.03	0.03	0.03	0.29	0.03	0.29
Dichlorotetrafluoroethane	0.22	0.22	4.34	0.22	0.43	4.34	0.43	4.34	0.43	4.34	1.12	4.34	0.22	2.17	0.22	2.17	0.22	0.22	0.22	0.22	0.22	2.17	0.22	2.17
1,1,2-Trichlorotrifluoroethane	1.07	1.53	3.82	1.38	0.38	3.82	1.68	3.82	0.38	3.82	0.92	3.82	0.84	1.91	0.76	1.91	0.92	0.99	0.92	1.15	1.38	1.91	1.07	1.91
Bromoethane	0.11	0.11	2.28	0.11	0.23	2.28	0.23	2.28	0.23	2.28	0.57	2.28	0.11	1.14	0.11	1.14	0.11	0.11	0.11	0.11	0.11	1.14	0.11	1.14
Propene	7.52	18.8	21.3	27.7	25.8	40.9	30.8	48.4	23.2	36.1	60.6	81.1	2.73	0.88	0.09	0.88	0.09	10.4	11.9	18.2	12.7	19.1	26.7	42.8
Heptane	1.72	6.18	3.27	2.25	2.45	3.27	3.84	3.27	2.21	3.27	4.91	3.27	0.53	1.64	0.16	1.64	0.86	1.15	3.07	1.68	1.64	1.64	3.56	1.64
1,1-Dichloroethene	0.12	0.12	2.46	0.12	6.03	7.93	5.47	8.73	1.75	2.46	2.38	2.46	0.12	1.23	0.12	1.23	0.12	0.12	0.12	0.12	0.12	1.23	0.12	1.23
Ethyl Acetate	4.03	10.4	1.58	5.18	0.16	1.58	0.16	1.58	0.16	1.58	0.4	1.58	0.08	0.79	0.08	0.79	4.25	0.08	4.57	3.38	5.76	0.79	0.08	0.79
Acetone	39.8	89.3	74	29.8	42.7	54.1	81.2	93	39.6	49.3	52.7	52.2	87.2	68.3	27.3	26.3	25.4	39.8	16.8	41.2	42.2	45.3	58	60.3
Carbon Disulfide	0.07	1.87	1.49	1.77	0.15	1.49	3.42	1.49	1.55	1.49	2.8	1.49	0.07	0.75	0.5	0.75	0.07	0.07	0.07	0.07	0.07	0.75	0.07	0.75
Methyl tert-Butyl Ether	0.09	0.09	1.73	0.09	0.17	1.73	1.15	1.73	0.17	1.73	0.43	1.73	0.09	0.86	0.09	0.86	0.09	0.09	0.09	0.09	0.09	0.86	0.09	0.86
Methylene Chloride	1.15	6.19	1.04	27.5	2.99	1.04	6.19	1.04	5.08	1.04	4.87	1.04	2.12	12.9	1.88	0.52	5.18	13.5	2.78	0.87	2.19	0.52	1.56	0.52
Allyl Chloride	0.08	0.08	1.51	0.08	0.15	1.51	0.15	1.51	0.15	1.51	0.38	1.51	0.08	0.76	0.08	0.76	0.08	0.08	0.08	0.08	0.08	0.76	0.08	0.76
trans-1,2-Dichloroethene	0.13	0.13	2.7	0.13	0.27	2.7	0.27	2.7	0.27	2.7	0.67	2.7	0.13	1.35	0.13	1.35	0.13	0.13	0.13	0.13	0.13	1.35	0.13	1.35
Vinyl Acetate	0.14	0.14	2.81	0.14	0.28	2.81	0.28	2.81	0.28	2.81	0.7	2.81	0.14	1.41	0.14	1.41	0.14	0.14	0.14	0.14	0.14	1.41	0.14	1.41
1,1-Dichloroethane	0.14	0.14	2.75	0.14	52.4	66.4	23	29.2	17	21.9	17.8	21.1	0.14	1.38	0.14	1.38	0.14	0.14	0.14	0.14	0.14	1.38	0.14	1.38
Cyclohexane	0.6	1.04	2.08	0.1	0.21	2.08	0.21	2.08	0.21	2.08	0.54	2.08	0.1	1.04	0.1	1.04	0.1	0.1	0.1	0.1	0.1	1.04	0.1	1.04
2-Butanone	12.6	14.5	13	4.18	22	24.1	23.8	22.4	18.7	20	20.2	23	9.31	8.25	5.09	5.3	17	19.5	3.3	13.5	13.6	12.1	17.2	15.3
Carbon Tetrachloride	0.19	1.39	3.78	1.89	0.38	3.78	0.38	3.78	0.38	3.78	0.94	3.78	0.19	1.89	0.19	1.89	0.19	0.19	0.19	0.19	0.19	1.89	0.19	1.89
cis-1,2-Dichloroethene	0.13	0.13	2.7	0.13	0.27	2.7	0.27	2.7	1.35	2.7	0.67	2.7	0.13	1.35	0.13	1.35	0.13	0.13	0.13	0.13	0.13	1.35	0.13	1.35
Chloroform	2.38	6.96	2.34	21	4.67	2.34	5.26	2.34	0.97	2.34	0.58	2.34	4.67	1.17	1.9	1.17	0.68	0.12	0.49	0.68	1.36	1.17	1.46	1.17
1,4-Dioxane	0.19	0.19	3.96	0.19	0.4	3.96	0.4	3.96	0.4	3.96	0.97	3.96	0.19	1.94	0.19	1.94	0.19	0.19	0.19	0.19	0.19	1.94	0.19	1.94
1,1,1-Trichloroethane	7.13	36.4	27.2	33.9	1024	1459	767	972	649	796	604	682	7.07	7.07	9.08	9.25	1.03	0.65	1.74	2.34	19.4	21.8	16.6	19
Tetrahydrofuran	0.17	0.77	3.53	0.17	0.35	3.53	0.35	3.53	0.35	3.53	0.88	3.53	0.17	1.74	0.17	1.74	0.17	0.17	0.17	0.17	0.17	1.74	0.17	1.74
2,2,4-Trimethylpentane	0.14	2.94	2.89	0.14	0.29	2.89	0.29	2.89	0.29	2.89	0.75	2.89	0.14	1.45	0.14	1.45	0.61	0.14	1.77	0.14	0.14	1.45	0.14	1.45
Benzene	2.36	5.52	1.6	3.09	3	1.6	4.98	7.66	2.36	1.6	6.06	7.66	1.02	0.8	0.64	0.8	3.22	2.74	2.42	2.46	3.54	3.83	5.55	6.38
1,2-Dichloroethane	0.12	0.12	2.43	0.12	0.24	2.43	0.24	2.43	0.24	2.43	0.61	2.43	0.12	1.21	0.12	1.21	0.12	0.12	0.12	0.12	0.12	1.21	0.12	1.21
Trichloroethene	0.19	1.93	3.86	2.2	159	186	87.2	109	108	119	86	105	0.19	1.93	0.75	1.93	0.19	0.19	0.19	0.19	1.77	1.93	2.73	1.93
1,2-Dichloropropane	0.23	0.23	4.53	0.23	0.45	4.53	0.45	4.53	0.45	4.53	1.11	4.53	0.23	2.26	0.23	2.26	0.23	0.23	0.23	0.23	0.23	2.26	0.23	2.26
Bromodichloromethane	0.27	0.27	5.37	0.27	0.54	5.37	0.54	5.37	0.54	5.37	1.34	5.37	0.27	2.68	0.27	2.68	0.27	0.27	0.27	0.27	0.27	2.68	0.27	2.68
4-Methyl-2-Pentanone	1.02	3.11	2.13	1.02	78.8	70.3	47.8	39.3	10.6	2.13	11.9	2.13	11.9	1.06	2.33	1.06	27.6	53.1	0.11	2.33	71.8	56.9	61.4	47
Toluene	4.74	79.9	53.4	4.89	8.96	9.03	43.9	39.9	15.1	11.3	19.9	21.8	17.3	10.2	3.95	1.66	26	63	5.68	4.44	66	57.2	59.9	59.5
t-1,3-Dichloropropene	0.11	0.11	2.27	0.11	0.23	2.27	0.23	2.27	0.23	2.27	0.54	2.27	0.11	1.13	0.11	1.13	0.11	0.11	0.11	0.11	0.11	1.13	0.11	1.13
cis-1,3-Dichloropropene	0.14	0.14	2.81	0.14	0.28	2.81	0.28	2.81	0.28	2.81	0.73	2.81	0.14	1.41	0.14	1.41	0.14	0.14	0.14	0.14	0.14	1.41	0.14	1.41
1,1,2-Trichloroethane	0.29	0.29	5.98	0.29	0.6	5.98	0.6	5.98	0.6	5.98	1.47	5.98	0.29	2.94	0.29	2.94	0.29	0.29	0.29	0.29	0.29	2.94	0.29	2.94
2-Hexanone	1.31	0.09	1.8	0.09	0.18	1.8	0.18	1.8	0.18	1.8	0.45	1.8	0.09	0.9	0.09	0.9	0.09	0.09	1.47	0.09	1.15	0.9	0.9	0.9
Dibromochloromethane	0.32	0.32	6.47	0.32	0.65	6.47	0.65	6.47	0.65	6.47	1.62	6.47	0.32	3.23	0.32	3.23	0.32	0.32	0.32	0.32	0.32	3.23	0.32	3.23
1,2-Dibromoethane	0.26	0.26	5.23	0.26	0.52	5.23	0.52	5.23	0.52	5.23	1.31	5.23	0.26	2.61	0.26	2.61	0.26	0.26	0.26	0.26	0.26	2.61	0.26	2.61
Tetrachloroethene	46.1	29.2	25.8	25.3	652	674	318	372	1817	1765	1405	1673	81.1	67.2	147	112	40	15.3	3.39	3.39	342	321	336	

Table 6  
Spectrum Finishing Corporation  
Site No. 1-52-029  
Summary of Soil Vapor Analytical Results for VOCs - April 2007

Sample ID	SV-17S	SV-17SDL	SV-17D	SV-17DDL	SV-171S	SV-171SDL	SV-18S	SV-18D	SV-18DDL	SV-20S	SV-20SDL	SV-20D	SV-20DDL	SV-21S	SV-21D	OA-AA1	OA-AA2																				
Lab Sample Number	Y2495-01	Y2495-01DL	Y2495-02	Y2495-02DL	Y2495-03	Y2495-03DL	Y2414-17	Y2414-18	Y2414-18DL	Y2414-19	Y2414-19DL	Y2414-20	Y2414-20DL	Y2495-04	Y2495-05	Y2495-20	Y2495-06																				
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07																				
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR																				
Dilution Factor	1.0	1.0	1.0	20.0	1.0	20.0	1.0	1.0	20.0	1.0	20.0	1.0	20.0	1.0	1.0	1.0	1.0																				
Units	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>																				
COMPOUND	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q																				
Dichlorodifluoromethane	U	3.61	U	3.56	U	3.71	U	3.56	U	3.22	U	3.56	U	4.16	U	2.92	U	3.56	U	5.3	U	3.56	U	7.37	U	3.56	U	3.12	U	3.12	U	3.02	U	2.92	U		
Chloromethane	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	0.07	U	0.07	U	1.33	U	1.29	U		
Vinyl Chloride	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U		
Bromomethane	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U		
Chloroethane	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Trichlorofluoromethane	U	5.27	U	3.14	U	5.49	U	3.14	U	4.43	U	3.14	U	4.93	U	2.02	U	3.14	U	5.55	U	3.14	U	6.22	U	3.14	U	4.43	U	4.37	U	2.3	U	1.74	U		
Isopropyl Alcohol	U	3.56	U	0.59	U	0.03	U	0.59	U	0.03	U	0.59	U	0.03	U	0.59	U	0.03	U	0.59	U	0.03	U	0.59	U	0.03	U	0.03	U	0.03	U	20.6	U	0.03	U		
Dichlorotetrafluoroethane	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U		
1,1,2-Trichlorotrifluoroethane	U	0.92	U	3.82	U	0.19	U	3.82	U	0.92	U	3.82	U	1.15	U	0.84	U	3.82	U	1.45	U	3.82	U	1.22	U	3.82	U	1.07	U	1.22	U	1.3	U	0.76	J		
Bromoethane	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U		
Propene	D	27.9	D	30.6	D	46.7	E	52.6	D	23.1	U	32	D	5.5	U	4.26	U	1.72	U	0.09	U	1.72	U	23.6	U	44	D	13.2	U	18.2	U	0.09	U	0.89	U		
Heptane	U	7.2	U	3.27	U	5.6	U	3.27	U	5.11	U	3.27	U	0.65	U	0.78	U	3.27	U	1.23	U	3.27	U	2.54	U	3.27	U	17.2	U	1.64	U	2.37	U	0.53	U		
1,1-Dichloroethene	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
Ethyl Acetate	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	0.08	U	0.08	U	0.08	U	11.5	U	0.08	U
Acetone	D	70.2	E	42.2	D	54.6	E	51.2	D	74.8	E	78.3	D	22.7	U	272	E	276	D	20.4	U	28.9	D	51.2	E	55	D	31.2	U	29.1	U	32.4	U	23.4	U		
Carbon Disulfide	U	1.34	U	1.49	U	1.87	U	1.49	U	0.07	U	1.49	U	0.07	U	1.49	U	0.07	U	1.49	U	0.07	U	1.49	U	0.31	J	1.49	U	1.24	U	0.71	U	0.34	U	0.07	U
Methyl tert-Butyl Ether	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	0.61	U	0.09	U	0.09	U	0.09	U	0.09	U
Methylene Chloride	U	4.76	U	1.04	U	4.42	U	1.04	U	2.92	U	1.04	U	3.65	U	12.9	U	21.6	D	2.12	U	16	D	2.22	U	15.3	D	1.81	U	2.4	U	43	U	26.8	U		
Allyl Chloride	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
trans-1,2-Dichloroethene	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Vinyl Acetate	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	0.14	U	0.14	U	0.14	U
1,1-Dichloroethane	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	0.14	U	0.14	U	0.14	U
Cyclohexane	U	9.99	U	11.4	JD	1.78	U	2.08	U	6.91	U	2.08	U	0.1	U	0.1	U	2.08	U	0.1	U	2.08	U	0.1	U	2.08	U	0.1	U	0.1	U	1.31	U	0.1	U	0.1	U
2-Butanone	D	10.1	U	2.77	U	12.7	U	2.77	U	7.69	U	2.77	U	6.1	U	6.39	U	2.77	U	7.01	U	2.77	U	15.5	U	17.7	D	13.8	U	5.62	U	5.12	U	1.8	U	1.8	U
Carbon Tetrachloride	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	0.19	U	0.63	J	0.63	J
cis-1,2-Dichloroethene	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Chloroform	U	1.31	U	2.34	U	1.02	U	2.34	U	1.02	U	2.34	U	0.12	U	0.12	U	2.34	U	0.58	U	2.34	U	0.63	U	2.34	U	0.83	U	0.83	U	0.12	U	0.12	U	0.12	U
1,4-Dioxane	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	0.19	U	0.19	U	0.19	U
1,1,1-Trichloroethane	D	10.3	U	10.9	JD	12.3	U	12	D	7.23	U	2.39	U	0.92	U	1.31	U	2.39	U	12	U	15.2	D	21.5	U	26.1	D	40.5	U	78.9	U	0.12	U	0.12	U	0.12	U
Tetrahydrofuran	U	1.94	U	3.53	U	0.17	U	3.53	U	1.41	U	3.53	U	0.17	U	0.17	U	3.53	U	0.17	U	3.53	U	0.17	U	3.53	U	0.62	U	0.17	U	0.17	U	0.17	U	0.17	U
2,2,4-Trimethylpentane	U	7.18	U	2.89	U	9.74	U	9.33	JD	5.04	U	2.89	U	0.14	U	0.14	U	2.89	U	1.54	U	2.89	U	0.14	U	2.89	U	11.3	U	0.14	U	0.84	U	0.47	J	0.47	J
Benzene	D	5.42	U	1.6	U	5.9	U	1.6	U	4.21	U	1.6	U	1.4	U	0.99	U	1.6	U	2.33	U	1.6	U	3.92	U	1.6	U	5.9	U	2.58	U	1.24	U	0.54	U	0.54	U
1,2-Dichloroethane	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	0.12	U	0.12	U	0.12	U
Trichloroethene	U	1.66	U	3.86	U	2.84	U	3.86	U	1.02	U	3.86	U	0.19	U	0.19	U	3.86	U	0.59	U	3.86	U	1.34	U	3.86	U	0.54	J	0.59	U	0.75	U	0.75	U	0.19	U
1,2-Dichloropropane	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	0.23	U	0.23	U	0.23	U
Bromodichloromethane	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	0.27	U	0.27	U	0.27	U
4-Methyl-2-Pentanone	D	10.8	U	2.13	U	7.57	U	2.13	U	8.63	U	2.13	U	6.46	U	3.64	U	2.13	U	10.2	U	2.13	U	10.2	U	2.13	U	3.68	U	0.11	U	6.87	U	0.11	U	0.11	U
Toluene	D	27.3	U	21.8	D	37.2	U	33.1	D	17.1	U	18.1	D	10.4	U	7.53	U	3.31	U	11.7	U	9.78	D	13.5	U	11.3	D	11.3	U	4.36	U	27.7	U	1.69	U	1.69	U
t-1,3-Dichloropropene	U	0.11	U	2.27	U	0.11	U	2.27	U																												

Table 1  
 NYSDEC Work Assignment # D006131-1  
 Spectrum Finishing Corporation Site No. 1-52-029  
 Groundwater Elevation and Sample Information Summary

Groundwater Sampling			
Location	Sample ID	Depth to GW (Ft BGS)	Groundwater Elevation (Feet)
MW-1S	152029-GW-MW1S	15.57	47.93
MW-1D	NS	15.48	48.02
MW-2	152029-GW-MW2	15.15	48.26
MW-3S	152029-GW-MW3S	15.56	47.82
MW-3D	NS	15.56	47.82
MW-4S	152029-GW-MW4S	14.73	47.45
MW-4D	NS	14.79	47.39
MW-6S	152029-GW-MW6S	14.23	47.57
MW-7S	152029-GW-MW7S	15.34	47.95
MW-9	152029-GW-MW9	Not Measured	Not Measured
MW-11S	152029-GW-MW11S	15.21	47.92
MW-12S	152029-GW-MW12S	15.14	47.19
MW-13ST	152029-GW-MW13ST	Not Measured	Not Measured
MW-13D	NS	14.42	47.75
MW-14S	152029-GW-MW14S	14.62	47.21

**Legend**

BGS= Below Ground Surface

GW= Groundwater

S= Shallow

D= Deep

T= Temporary Well

NS= No Sample (Only shallow groundwater samples were collected)

**Table 3**  
**Spectrum Finishing Corporation**  
**Site No. 1-52-029**  
**Summary of Groundwater Analytical Results for VOCs - April 2007**

Sample ID		MW1S	MW2	MW3S	MW4S	MW41S	MW6S	MW6SDL	MW7S	MW9	MW11S	MW12S	MW13ST	MW14S	TB1
Lab Sample Number		Y2464-08	Y2464-12	Y2464-01	Y2464-03	Y2464-04	Y2464-05	Y2464-05DL	Y2464-13	Y3829-01	Y2464-11	Y2464-06	Y2464-02	Y2464-07	Y2464-14
Sampling Date		04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	8/1/2007	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07
Matrix	Ambient	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Water	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	Quality	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Standard															
COMPOUND	CAS #		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Dichlorodifluoromethane	75-71-8	5#	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.68 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Chloromethane	74-87-3	5#	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.4 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Vinyl Chloride	75-01-4	2	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromomethane	74-83-9	5	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	1.6 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroethane	75-00-3	5#	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	3.3 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
Trichlorofluoromethane	75-69-4	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.88 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1,2-Trichlorotrifluoroethane	76-13-1	5	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
1,1-Dichloroethene	75-35-4	0.7#	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	1.7 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
Acetone	67-64-1	50#	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	9.0 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Carbon Disulfide	75-15-0	NS	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.6 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Methyl tert-butyl Ether	1634-04-4	NS	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	1.1 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Methyl Acetate	79-20-9	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.81 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	75-09-2	5	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	1.7 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
trans-1,2-Dichloroethene	156-60-5	5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.6 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	75-34-3	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.5 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Cyclohexane	110-82-7	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2-Butanone	78-93-3	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Carbon Tetrachloride	56-23-5	5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
cis-1,2-Dichloroethene	156-59-2	5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.2 U	0.29 U	4.7 J	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Chloroform	67-66-3	7	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,1,1-Trichloroethane	71-55-6	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Methylcyclohexane	108-87-2	NS	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.4 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Benzene	71-43-2	1	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	1.5 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dichloroethane	107-06-2	0.6	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.4 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Trichloroethene	79-01-6	5	0.46 U	0.46 U	1.7 J	0.46 U	0.46 U	1.8 U	0.46 U	12	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,2-Dichloropropane	78-87-5	1	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.6 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Bromodichloromethane	75-27-4	50#	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Methyl-2-Pentanone	108-10-1	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	6.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Toluene	108-88-3	5	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
t-1,3-Dichloropropene	10061-02-6	NS	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
cis-1,3-Dichloropropene	10061-01-5	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1,2-Trichloroethane	79-00-5	1	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	1.6 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
2-Hexanone	591-78-6	50#	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromochloromethane	124-48-1	50#	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	1.1 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dibromoethane	106-93-4	NS	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Tetrachloroethene	127-18-4	5	0.48 U	12	16	30	28	140 E	94 D	1.0 J	65	3.3 J	9.4	0.48 U	0.48 U
Chlorobenzene	108-90-7	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Ethyl Benzene	100-41-4	5	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.8 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
m/p-Xylenes	126777-61-2	5	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
o-Xylene	95-47-6	5	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.8 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Styrene	100-42-5	5#	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	1.6 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Bromoform	75-25-2	50#	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1.3 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U



**Table 3**  
**Spectrum Finishing Corporation**  
**Site No. 1-52-029**  
**Summary of Groundwater Analytical Results for VOCs - April 2007**

Sample ID		MW1S	MW2	MW3S	MW4S	MW41S	MW6S	MW6SDL	MW7S	MW9	MW11S	MW12S	MW13ST	MW14S	TB1
Lab Sample Number		Y2464-08	Y2464-12	Y2464-01	Y2464-03	Y2464-04	Y2464-05	Y2464-05DL	Y2464-13	Y3829-01	Y2464-11	Y2464-06	Y2464-02	Y2464-07	Y2464-14
Sampling Date		04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	8/1/2007	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07
Matrix	Ambient Water	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Quality Standard	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #		Q		Q		Q		Q		Q		Q		Q
Isopropylbenzene	98-82-8	5#	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.8 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	1.2 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,3-Dichlorobenzene	541-73-1	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	106-46-7	3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	2.1 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
1,2-Dichlorobenzene	95-50-1	3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.7 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.4	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	1.5 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2,4-Trichlorobenzene	120-82-1	5	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.8 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U

**Qualifiers**

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- # - Indicates Groundwater Guidance Value
- E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) - The reported value is estimated because of the presence of interference.
- D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NS - No Groundwater Standard
- NR - Not analyzed

**Table 4**  
**Spectrum Finishing Corporation**  
**Site No. 1-52-029**  
**Summary of Groundwater Analytical Results for Metals - April 2007**

Sample ID			MW1S	MW2	MW3S	MW4S	MW41S	MW6S	MW7S	MW11S	MW12S	MW13ST	MW14S
Lab Sample Number		Ambient Water Quality Standard	Y2464-08	Y2464-12	Y2464-01	Y2464-03	Y2464-04	Y2464-05	Y2464-13	Y2464-11	Y2464-06	Y2464-02	Y2464-07
Sampling Date			04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07
Matrix			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Aluminum	7429-90-5	100	2,830	225	2,920	943	650	141	57.9	272	146	16,800	69.6
Antimony	7440-36-0	3	3.100 U	3.100 U	9.940 J	3.100 U	3.100 U	3.100 U	3.100 U	5.670 J	3.100 U	3.100 U	3.100 U
Arsenic	7440-38-2	25	4.270 J	4.910 J	4.910 J	3.100 U	5.170 J	5.420 J	5.980 J	7.980 J	3.990 J	18.5	5.610 J
Barium	7440-39-3	1,000	52.7	33.4 J	46.3 J	70.3	59.8	42.5 J	50.1	84.1	62.5	121	53.3
Beryllium	7440-41-7	3#	0.430 J	0.290 J	0.270 J	0.230 J	0.210 J	0.120 J	0.130 J	0.430 J	0.210 J	1.440 J	0.190 J
Cadmium	7440-43-9	5	22.9	4.610	12.4	1270	1140	311	4.080	2.400 J	381	5.320	63.8
Calcium	7440-70-2	NS	42,700	14,800	18,600	19,500	16,800	14,800	29,100	19,500	19,900	55,300	21,300
Chromium	7440-47-3	50	5.710	5.860	63.2	14.4	9.480	186	17.4	5.710	9.760	91.4	2.490 J
Cobalt	7440-48-4	NS	2.890 J	1.710 J	1.630 J	3.400 J	3.350 J	2.030 J	1.300 U	2.290 J	3.890 J	18.4	1.300 U
Copper	7440-50-8	200	118	35.0	125	536	454	9.830 J	13.0	7.060 J	17.6	36.0	5.480 J
Iron	7439-89-6	500	1,240	666	2,760	774	292	201	341	371	121	23,100	126
Lead	7439-92-1	25	27.8	55.2	21.7	13.2	6.570	1.900 U	2.290 J	2.390 J	1.900 U	12.9	1.900 U
Magnesium	7439-95-4	35,000	4,490	2,980	3,600	3,960	3,340	2,890	3,560	3,480	3,980	9,820	4,320
Manganese	7439-96-5	500	190	142	105	228	196	56.4	4.030 J	52.0	122	1,740	16.2
Mercury	7439-97-6	0.7	0.12 J	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.34	0.12 J
Nickel	7440-02-0	100	12.4 J	6.370 J	16.0 J	292	263	199	5.410 J	6.960 J	431	75.2	11.4 J
Potassium	7440-09-7	NS	7,230	2,110	1,990	3,250	2,810	2,100	2,140	2,610	2,740	7,950	3,140
Selenium	7782-49-2	10	5.610 J	5.380 J	4.100 J	3.000 J	2.100 U	3.160 J	3.970 J	3.300 J	3.180 J	2.680 J	3.610 J
Silver	7440-22-4	50	1.160 J	2.050 J	2.140 J	1.340 J	1.930 J	0.730 J	1.150 J	3.390 J	1.830 J	1.680 J	1.790 J
Sodium	7440-23-5	20,000	20,900	7,920	8,090	13,500	11,900	13,500	7,920	9,260	15,800	58,300	11,300
Thallium	7440-28-0	8	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U	7.500 U
Vanadium	7440-62-2	14	1.000 U	1.460 J	3.030 J	2.270 J	1.350 J	1.000 U	1.460 J	1.000 J	1.510 J	23.2	2.140 J
Zinc	7440-66-6	2,000#	198	54.2	950	203	177	77.8	54.2	95.2	181	117	53.4

**Qualifiers**

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

# - Guidance Value

E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

\* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NS - No Standard or Guidance Value available

NR - Not analyzed



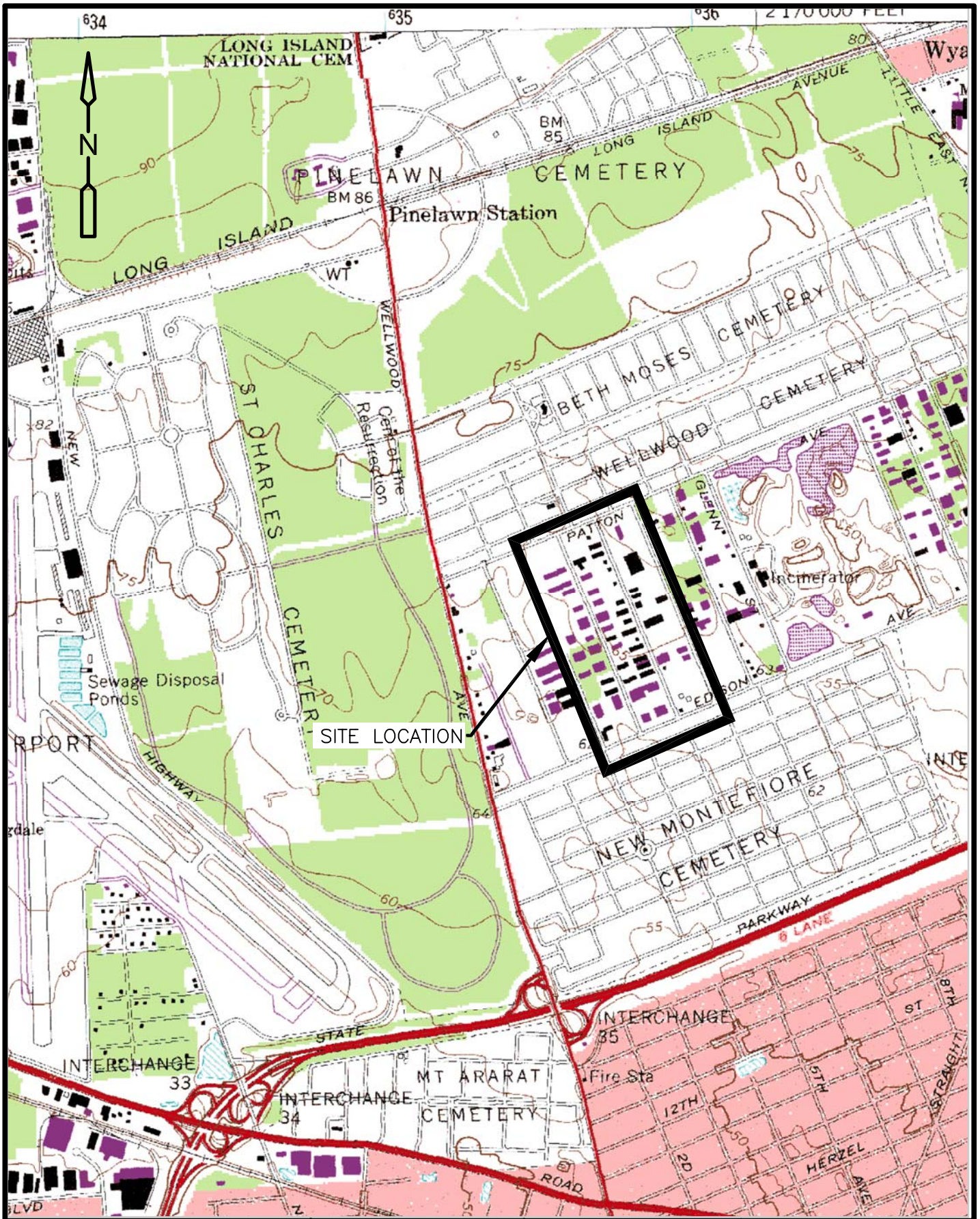
**Table 5**  
**Spectrum Finishing Corporation**  
**Site No. 1-52-059**  
**Comparison of Groundwater Sample Results - April 2001 to April 2007**  
**Shallow Aquifer for VOCs and Metals**

	MW-1S	MW-1S	MW-2S	MW-2	MW-3S	MW-3S	MW-4S	MW-4S	MW-6S	MW-6S	MW-7S	MW-7S	MW-11S	MW-11S	MW-12S	MW-12S	MW-13S	MW-13ST	MW-14S	MW-14S
	4/30/2001	4/24/2007	4/27/2001	4/24/2007	4/24/2001	4/24/2007	4/24/2001	4/24/2007	4/25/2001	4/24/2007	4/25/2001	4/24/2007	4/24/2001	4/24/2007	4/23/2001	4/24/2007	5/3/2001	4/24/2007	5/1/2001	4/24/2007
<b>Volatile Organics (ug/L)</b>	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Methyl-tert-butyl ether		0.28 U		0.28 U	14	0.28 U		0.28 U	2 J	0.28 U		0.28 U		0.28 U		0.28 U		0.28 U		0.28 U
Trichloroethene		0.46 U		0.46 U		1.7 U		0.46 U	4 J	1 J		0.46 U		0.46 U	2 J	0.46 U		0.46 U		0.46 U
Tetrachloroethene		0.48 U	20	12	7 J	16	13	30	160	140 E	1 J	1 J	2 J	3.3 J	80	9.4	3 J	0.48	2 J	0.48 U
<b>Unfiltered Metals (ug/L)</b>	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Aluminum	578	2,830	4,260	225	119 B	2,920		943	163 B	141		57.9	110 B	272	200 B	146		16,800	189 B	69.6
Antimony		3.100 U	2.8 B	3.100 U		9.940 J		3.100 U	3.4 B	3.100 U		3.100 U	4.7 B	5.670 J	1.7 B	3.100 U	1.9 B	3.100 U	2.8 B	3.100 U
Arsenic		4.270 J	5.7 B	4.910 J		4.910 J		3.100 U		5.420 J		5.980 J		7.980 J		3.990 J		18.5		5.610 J
Barium	18.9 B	52.7	70.2 B	33.4 J	42.4 B	46.3 J	34.7 B	70.3	78.1 B	42.5 J	30.4 B	50.1	31.1 B	84.1	52.2 B	62.5	0.54 B	121	62.2 B	53.3
Beryllium		0.430 J	0.62 B	0.290 J		0.270 J		0.230 J		0.120 J		0.130 J		0.430 J	0.53 B	0.210 J		1.440 J		0.190 J
Cadmium	0.75 B	22.9	6	4.610	2.5 B	12.4	70.5	1270	1,940	311	16.2	4.080	0.46 B	2.400 J	339	381		5.320	103	63.8
Calcium	33,500	42,700	19,100	14,800	19,000	18,600	11,000	19,500	20,200	14,800	11,400	29,100	20,400	19,500	16,100	19,900		55,300	26,400	21,300
Chromium	4 B	5.710	22.8	5.860	87.7	63.2	30.3	14.4	824	186	15.6	17.4	4.2 B	5.710	7 B	9.760		91.4	4.5 B	2.490 J
Cobalt	2.1 B	2.890 J	1.8 B	1.710 J	0.56 B	1.630 J	12.2 B	3.400 J	9.4 B	2.030 J		1.300 U	0.71 B	2.290 J	7 B	3.890 J		18.4	1.5 B	1.300 U
Copper	10.9 B	118	348	35.0	26	125	834	536	9.6 B	9.830 J	8.5 B	13.0		7.060 J	3.5 B	17.6		36.0		5.480 J
Iron	31.4 B	1240	7,000 J	666	30.1 B	2,760	57.7 B	774	18.4 B	201	77.1 B	341	126	371	143	121		23,100	209 J	126
Lead		27.8	213 J	55.2		21.7	1.4 B	13.2		1.900 U		2.290 J	1.1 B	2.390 J		1.900 U		12.9		1.900 U
Magnesium	3,080 B	4,490	4,400 B	2,980	3,830 B	3,600	2,950 B	3,960	5,080	2,890	1,490 B	3,560	2,890 B	3,480	3,030 B	3,980		9,820	4,090 B	4,320
Manganese	94.3	190	95	142	21.6	105	68.7	228	214	56.4	10.2 B	4.030 J	8.4 B	52.0	97.6	122	1.3 B	1740	21.6	16.2
Nickel	9.8 B	12.4 J	19.2 B	6.370 J	28.2 B	16.0 J	249	292	981	199	33.3 B	5.410 J	6.5 B	6.960 J	543	431		75.2	25.5 B	11.4 J
Potassium	3,440 BE	7,230	1,570 BE	2,110	1,920 B	1,990	3,980 B	3,250	2,780 BE	2,100	1,600 B	2,140	1,470 B	2,610	2,250 B	2,740		7,950	2,380 BE	3,140
Selenium		5.610 J		5.380 J		4.100 J		3.000 J		3.160 J		3.970 J		3.300 J		3.180 J		2.680 J		3.610 J
Silver		1.160 J	11.6	2.050 J		2.140 J		1.340 J		0.730 J		1.150 J		3.390 J		1.830 J		1.680 J		1.790 J
Sodium	19,100	20,900	7,530	9,260	9,660 E	8,090	120,000 E	13,500	27,700	13,500	5,720 E	7,920	17,700 E	11,300	12,900 E	15,800	1,720 B	58,300	11,600	14,200
Thallium		7.500 U		7.500 U		7.500 U		7.500 U		7.500 U		7.500 U	4.8 B	7.500 U		7.500 U		7.500 U		7.500 U
Vanadium	0.51 B	1.000 U	8.6 B	1.000 J		3.030 J	2.2 B	2.270 J	0.82 B	1.000 U		1.460 J	1.2 B	2.140 J		1.510 J		23.2	1.4 B	1.000 U
Zinc	51	198	62.3	95.2	6.8 B	950	42.6	203	42.3	77.8		54.2		53.4	39.6	181		117		46.4

Notes:

1. Only compounds detected in one or more groundwater samples are presented in this table.
2. Blank indicates compound was not detected.
3. NT indicates compound was not tested.
4. Analytical testing in 2001 completed by CompuChem Corporation.
5. Q = laboratory qualifier.
6. U = The compound was not detected at the indicated concentration.
7. J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
8. B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
9. ug/L = micrograms per liter.
10. NYSDEC Class GA Standards (Std)/Guidance Values (GV), dated June 1998; Errata Sheet dated January 1999; and Addendum dated April 2000.





SITE LOCATION MAP  
SPECTRUM FINISHING CORP.

DATE JULY 2007

SHEET NO.

LOCATION

ADDENDUM  
NO.

FIGURE  
NO.

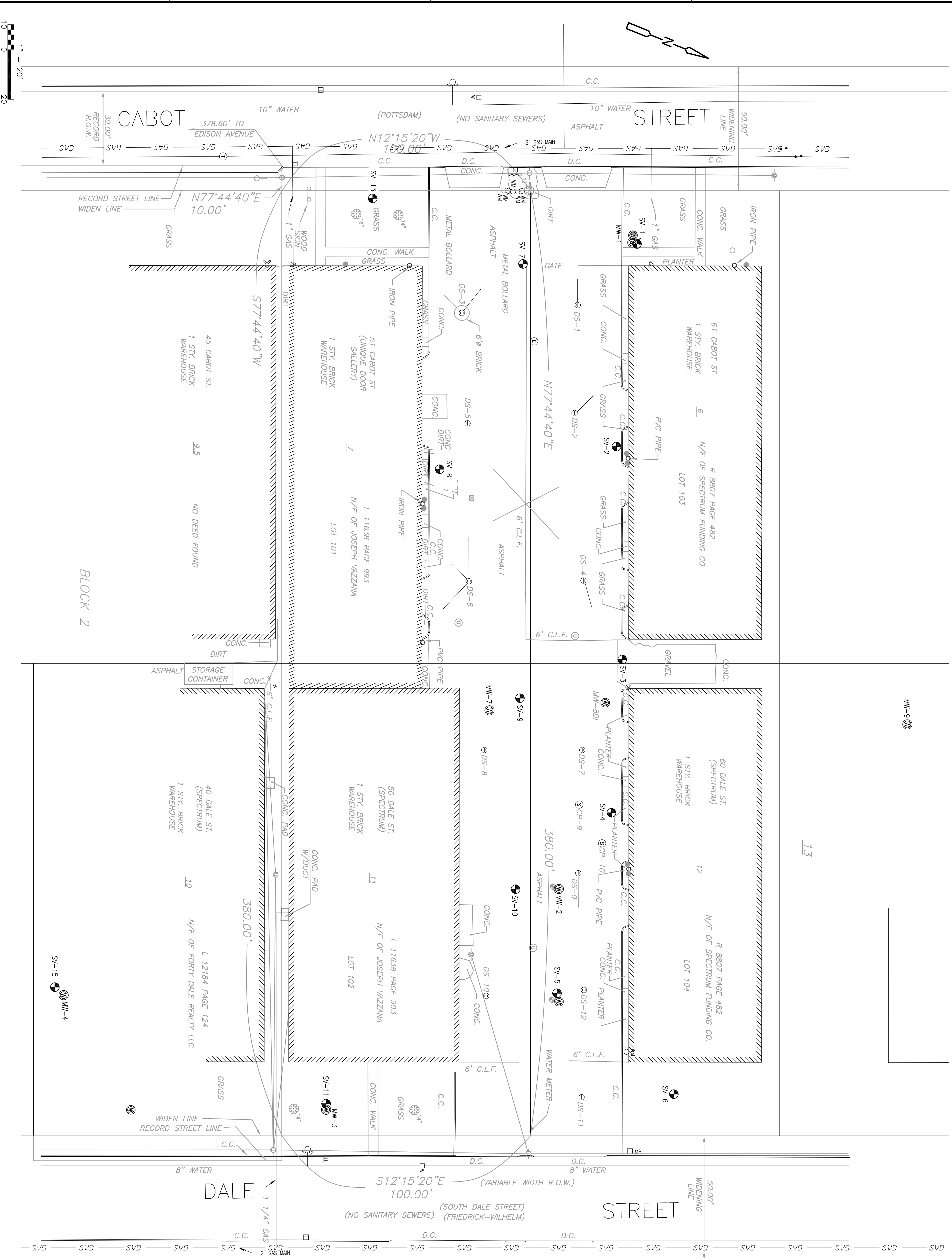


Camp Dresser & McKee Inc.

1

1





**NOTES:**

1. BASE MAP PROVIDED BY O'BRIEN & GERE ENGINEERS.
2. THE OVERHEAD AND UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED BY STANDARD SURVEY PRACTICE AND AVAILABLE RECORD INFORMATION. THE USER OF THIS PLAN IS ENTITLED TO THE UNDERGROUND UTILITIES SHOWN HEREON PROVIDED THAT THE USER OBTAINS ANY GUARANTEE THAT ALL EXISTING UTILITIES WHETHER FUNCTIONAL OR ABANDONED, WITHIN THE PROJECT AREA ARE SHOWN ON THIS PLAN. EXACT LOCATIONS MUST BE FIELD MARKED BY THE RESPECTIVE UTILITY COMPANY.
3. ELEVATIONS ARE REFERENCED TO AN ASSUMED DATUM AND SHALL BE USED FOR THIS PROJECT ONLY.
4. FIELD SURVEY TO LOCATE SOIL VAPOR POINTS WAS COMPLETED ON MAY 2, 2007.
5. HORIZONTAL POSITIONING IS BASED UPON GPS OBSERVATIONS TO N.G.S. PUBLISHED STATIONS PERFORMED BY MUNOZ ENGINEERING & LAND SURVEYING, P.C.
6. COORDINATE GRID BASED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM FOR LONG ISLAND EAST (3104) NAD83.
7. BEARINGS AND DISTANCES REFER TO DEED LIBER 11638 PAGE 993.

**REFERENCE MAPS:**

1. SECTION NO.74 PROPERTY MAP, TOWN OF BABYTON, DISTRICT NO. 0100, COUNTY OF SUFFOLK, REAL PROPERTY TAX SERVICE AGENCY, COUNTY CENTER, RIVERHEAD, NY 11901.
2. MAP OF LOTS NO.7 AND NO.8 OF THE WESTERN DIVISION OF THE SQUAW PIT PURCHASE KNOWN AS SHEET NO.9 OF THE CITY OF BRESLAU, IN THE TOWN OF BABYTON, SUFFOLK COUNTY, NY, SURVEYED AND DRAWN SEPTEMBER 2, 1913.

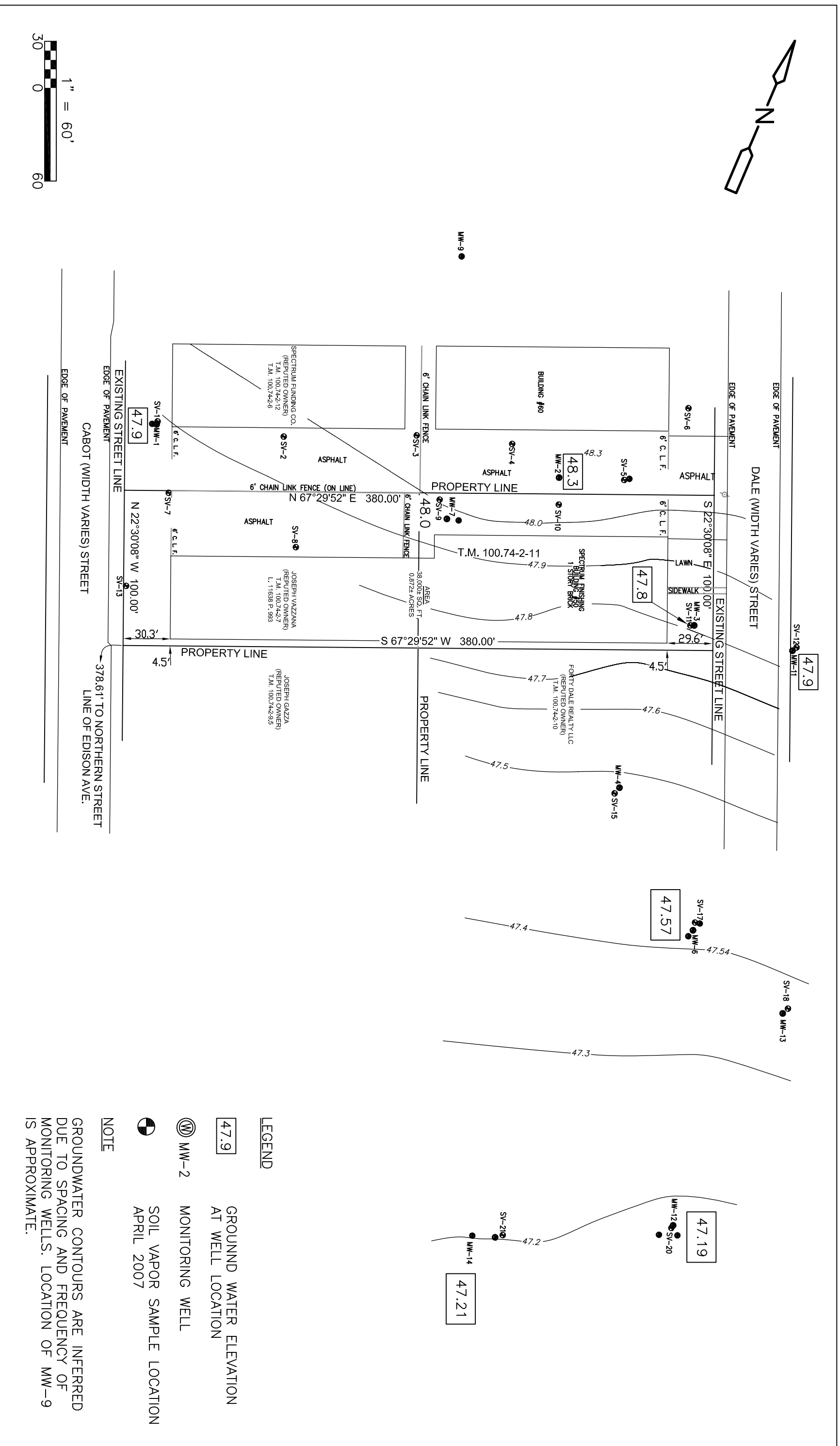
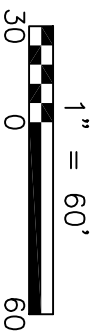
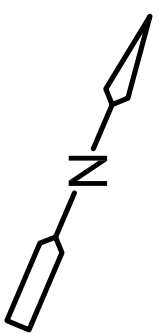
**LEGEND**

- MONITORING WELL LOCATION
- ⊕ DRAINAGE STRUCTURE
- ⊙ SOIL VAPOR POINTS

**NOTE:**

SOIL VAPOR POINTS SV-17, SV-18, SV-20, SV-21, AND MONITORING WELLS MW-6, MW-13, MW-12, AND MW-14 ARE OFF THE MAP TO THE NORTHEAST. THEIR LOCATION CAN BE FOUND ON THE BOUNDARY SURVEY MAP IN ATTACHMENT C. THE LOCATION OF MW-9 IS APPROXIMATE.

REV. NO.	DATE	DRWN	CHKD	REMARKS
DESIGNED BY:	R. HAINES			
DRAWN BY:	R. HAINES			
SHEET CHK'D BY:				
CROSS CHK'D BY:				
APPROVED BY:				
DATE:	JULY 2006			
Camp Dresser & McKee 15 British American Boulevard Latham, NY 12110 Tel: (518) 762-4580 consulting • engineering • construction • operations				
PREPARED FOR NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION				
<b>SPECTRUM FINISHING CORPORATION</b> <b>SITE NUMBER 1-52-029</b> <b>SOIL VAPOR POINTS AND GROUNDWATER</b> <b>MONITORING WELL LOCATIONS</b>				
PROJECT NO.	0897-58505			
FILE NAME:	CSTPL002			
FIGURE	2			



**LEGEND**

47.9 GROUND WATER ELEVATION AT WELL LOCATION

MW-2 MONITORING WELL

⊙ SOIL VAPOR SAMPLE LOCATION APRIL 2007

**NOTE**

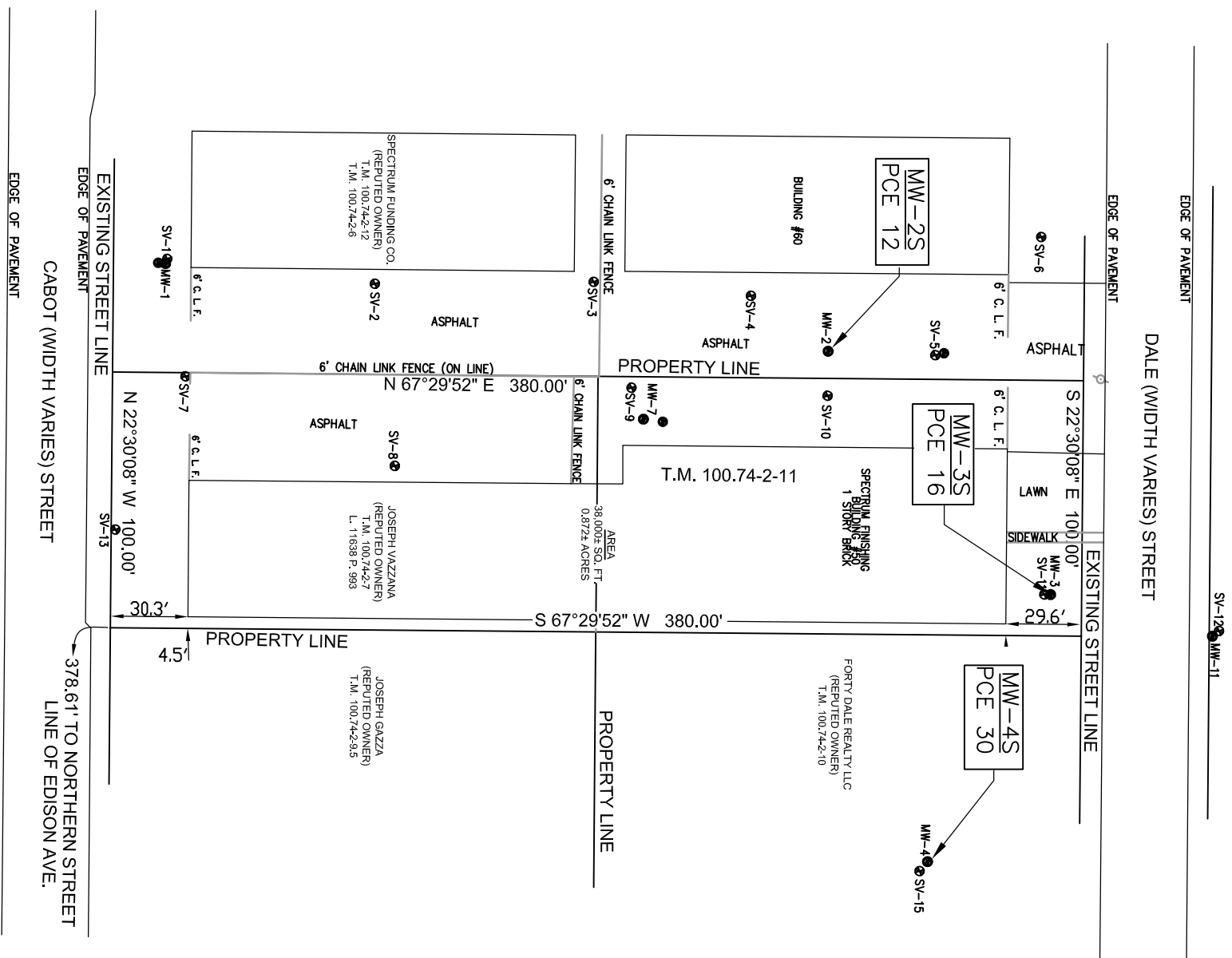
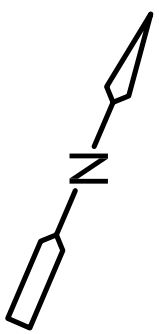
GROUNDWATER CONTOURS ARE INFERRED DUE TO SPACING AND FREQUENCY OF MONITORING WELLS. LOCATION OF MW-9 IS APPROXIMATE.

**SPECTRUM FINISHING CORPORATION**

50 DALE STREET  
WEST BABYLON, NY  
SITE NO. 1-52-029

**FIGURE 3**  
**GROUNDWATER ELEVATION CONTOURS**  
**IN SHALLOW OVERBURDEN**





MW-12S  
PCE 9.4

MW-6S  
1,1,-DCE-1.7  
1,1,2-TRICHLOROTRIFLUOROETHANE -5.2  
PCE-140

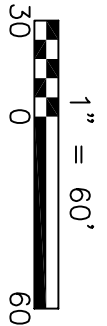
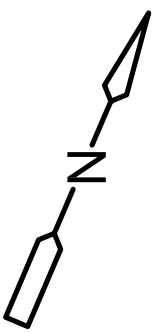
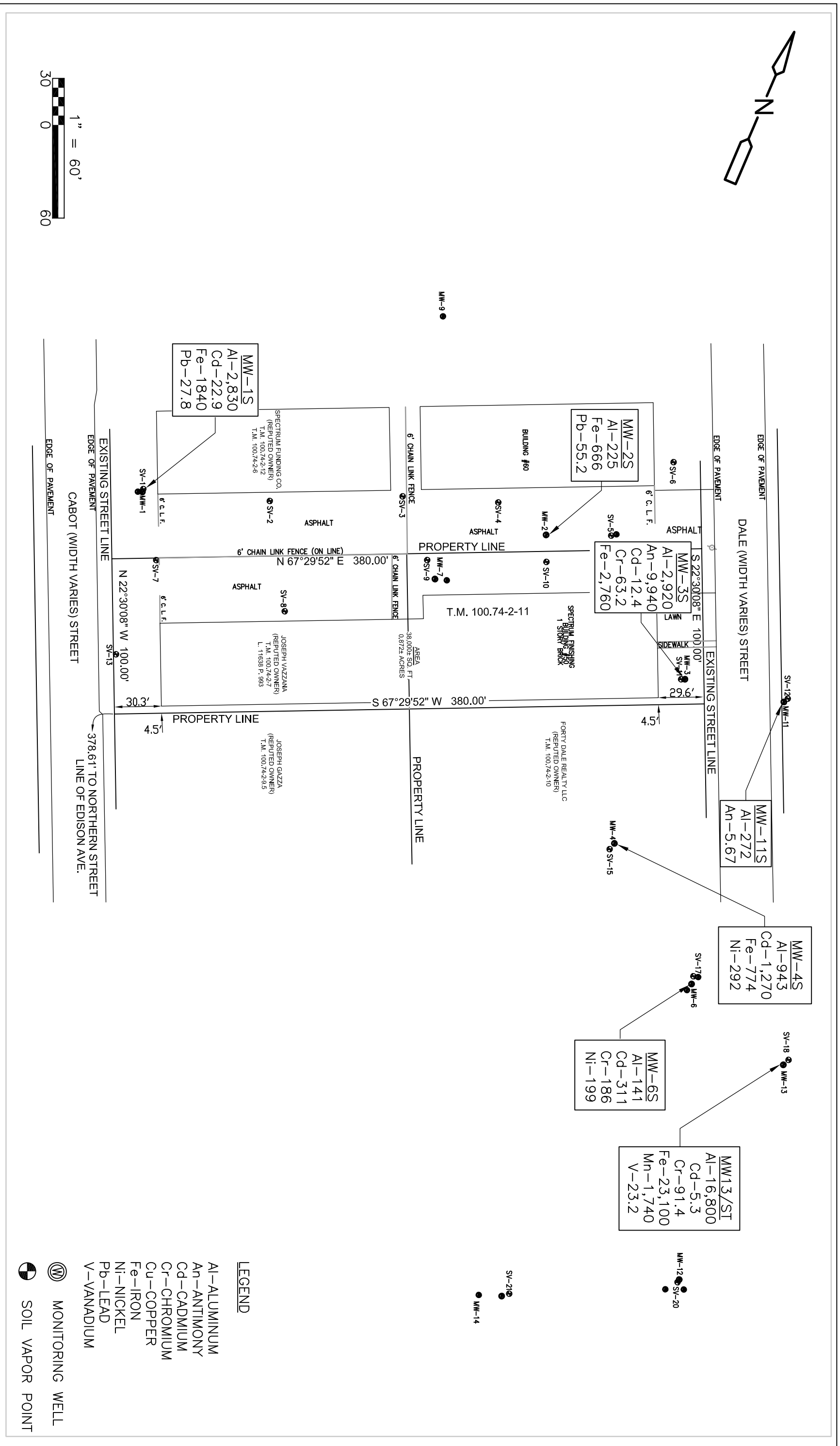
NOTE:  
MW-9 WAS NOT SAMPLED DURING THE APRIL  
SAMPLE COLLECTION AND WAS SAMPLED ON  
AUGUST 1, 2007

- LEGEND**
- PCE=TETRACHLOROETHANE
  - 1,1,DCE=1,1-DICHLOROETHANE
  - TCE=TRICHLOROETHANE
  - SV=SOIL VAPOR POINT
  - MW=MONITORING WELL
  - S=SHALLOW WELL

**SPECTRUM FINISHING CORPORATION**  
50 DALE STREET  
WEST BABYLON, NY  
SITE NO. 1-52-029



**FIGURE 4**  
VOL CONCENTRATIONS IN  
SHALLOW GROUNDWATER ABOVE  
AMBIENT WATER QUALITY STANDARDS  
(ug/l)

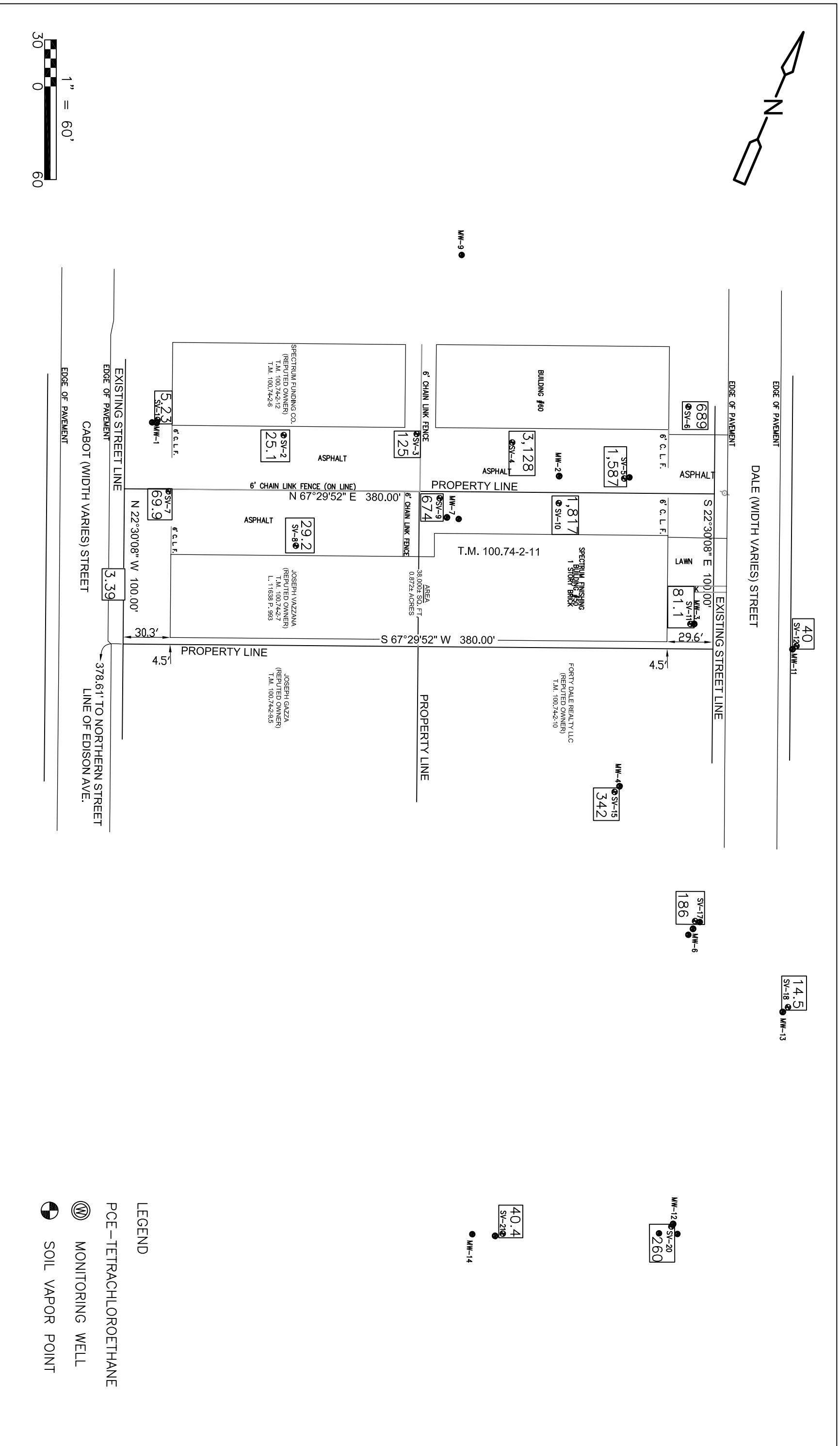


- LEGEND**
- AI-ALUMINUM
  - AN-ANTIMONY
  - CD-CADMIUM
  - CR-CHROMIUM
  - CU-COPPER
  - FE-IRON
  - NI-NICKEL
  - PB-LEAD
  - V-VANADIUM
  - (M) MONITORING WELL
  - (S) SOIL VAPOR POINT

**SPECTRUM FINISHING CORPORATION**  
50 DALE STREET  
WEST BABYLON, NY  
SITE NO. 1-52-029

**FIGURE 5**  
**METAL EXCEEDANCES FOR AMBIENT**  
**WATER QUALITY STANDARDS OR**  
**GUIDANCE VALUES (ug/L)**





LEGEND

PCE-TETRACHLOROETHANE

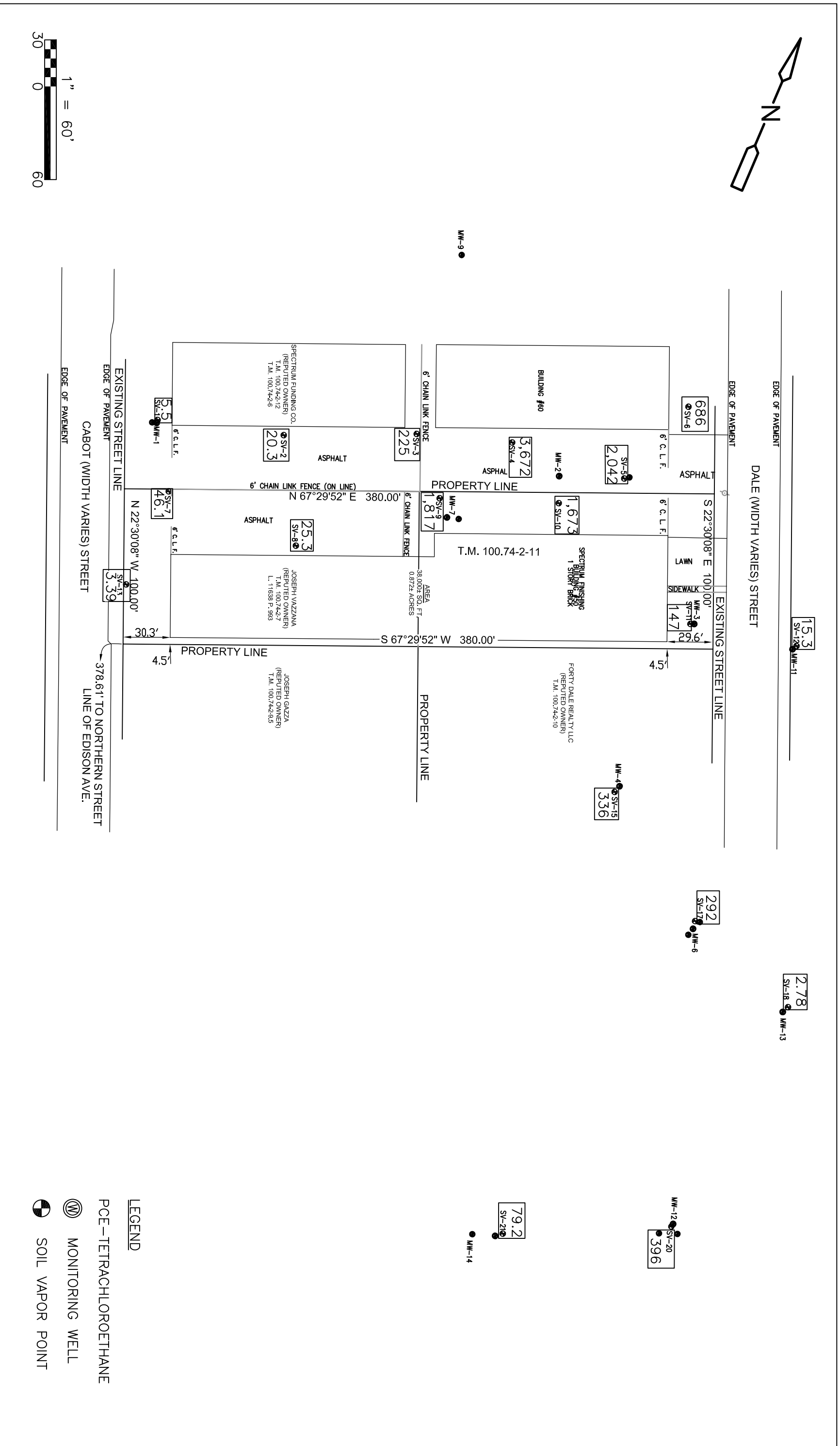
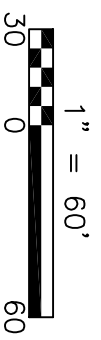
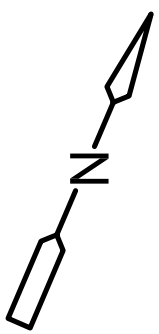
⊕ MONITORING WELL

⊙ SOIL VAPOR POINT

**SPECTRUM FINISHING CORPORATION**  
 50 DALE STREET  
 WEST BABYLON, NY  
 SITE NO. 1-52-029

**FIGURE 6**  
**PCE CONCENTRATIONS IN SHALLOW**  
**(6 FEET) SOIL VAPOR SAMPLES (ug/M<sup>3</sup>)**





**LEGEND**

PCE-TETRACHLOROETHANE

MONITORING WELL

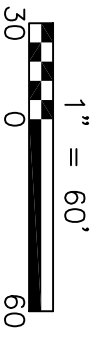
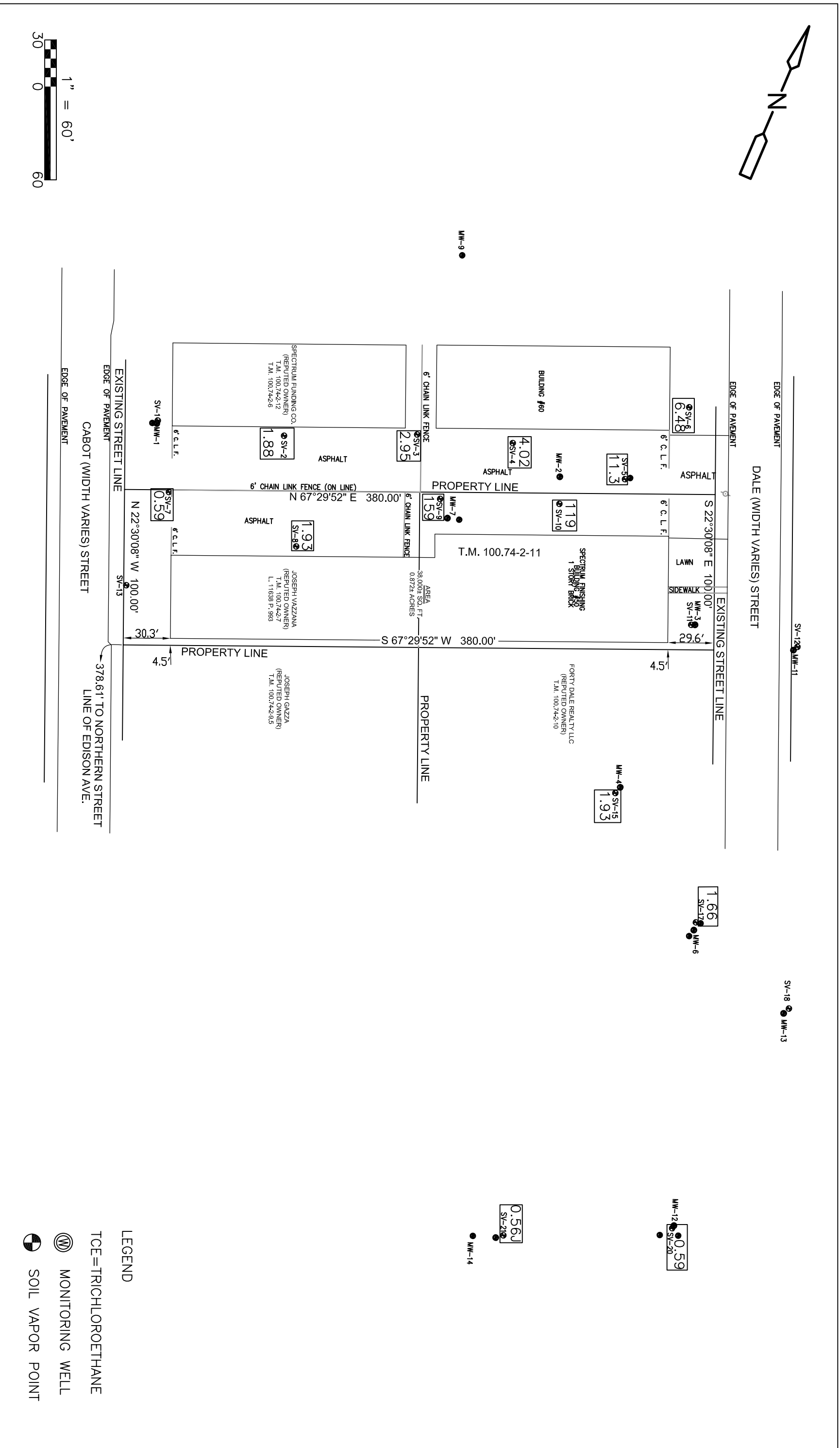
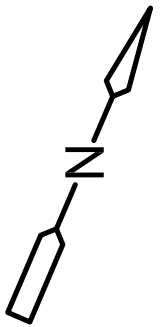
SOIL VAPOR POINT

**SPECTRUM FINISHING CORPORATION**  
 50 DALE STREET  
 WEST BABYLON, NY  
 SITE NO. 1-52-029

**FIGURE 7**  
**PCE CONCENTRATION IN DEEP**  
**(12 FEET) SOIL VAPOR SAMPLES**  
**(Mg/M<sup>3</sup>)**







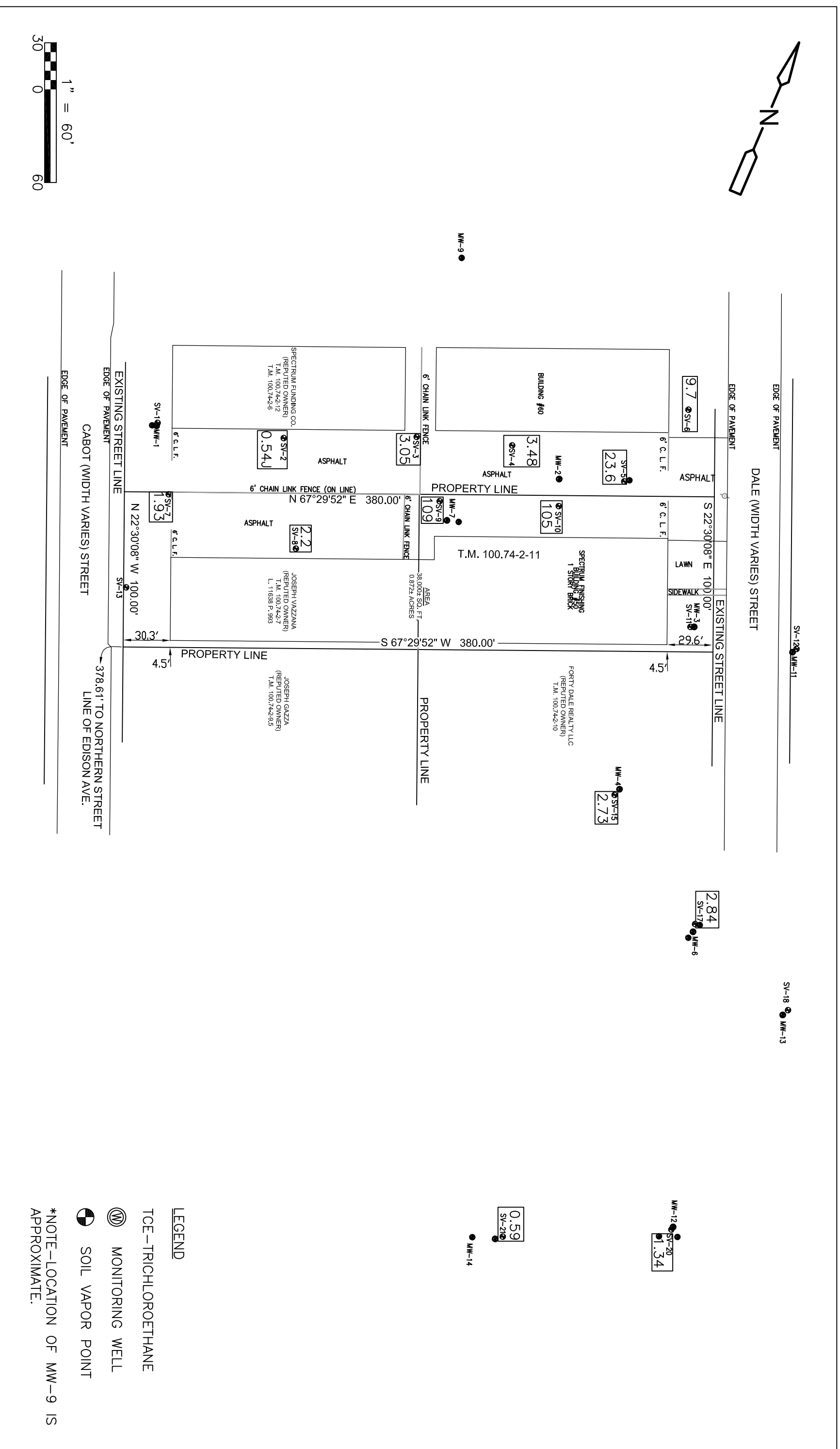
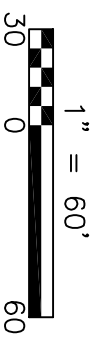
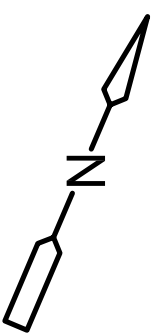
**SPECTRUM FINISHING CORPORATION**

50 DALE STREET  
 WEST BABYLON, NY  
 SITE NO. 1-52-029

**LEGEND**  
 TCE=TRICHLOROETHANE  
 (M) MONITORING WELL  
 (S) SOIL VAPOR POINT

**FIGURE 8**  
**TCE CONCENTRATIONS IN SHALLOW (6 FEET)**  
**SOIL VAPOR SAMPLES (ug/M<sup>3</sup>)**





**LEGEND**

TCE - TRICHLOROETHANE

⊕ MONITORING WELL

⊙ SOIL VAPOR POINT

\*NOTE - LOCATION OF MW-9 IS APPROXIMATE.

**SPECTRUM FINISHING CORPORATION**  
 50 DALE STREET  
 WEST BABYLON, NY  
 SITE NO. 1-52-029

**FIGURE 9**  
**TCE CONCENTRATIONS IN DEEP**  
**(12 FEET) SOIL VAPOR SAMPLES**  
**(ug/M<sup>3</sup>)**





Sample location SV-9 near MW-7 in Spectrum parking lot



Sample location SV-4 near auto body shop in alley





**Sample points SV-10 in Spectrum parking lot**



**Installation of SV-12 across Dale Street from Spectrum**





**Sample location SV-12 near MW-11**



**Sample location SV-15 near MW-4**





**Sample point SV-18 near MW-13**



**Sample location SV-21 near MW-14 on Edison Avenue**





**Sample location SV-13 on Cabot St. in front of Unique Door Gallery**



**Sample location SV-17 near MW-6 - Entrance to Unique Door Parking Lot**





**Sample location SV-17 near MW-6**



**Sample location SV-20 near MW-12 at corner of Edison and Dale**





**Sample location SV-1 near MW-1 and Capital Signs**



**Sample SV-3 at Capital Signs and Auto Body Shop fence line**





Sample location SV-2 in Capital Signs parking area



Sample location SV-8 in Unique Door parking area





**Sample location SV-6 in front of Auto Body Shop on Dale St.**

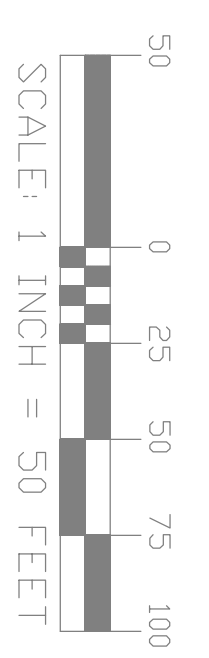
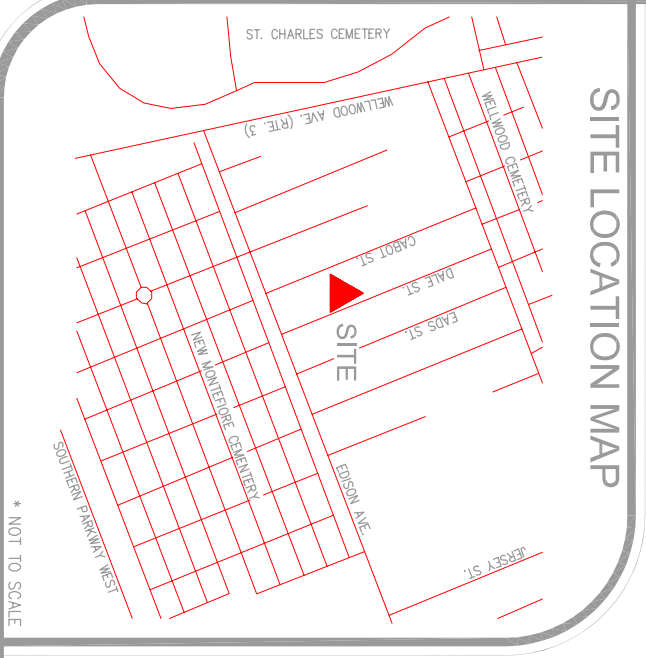
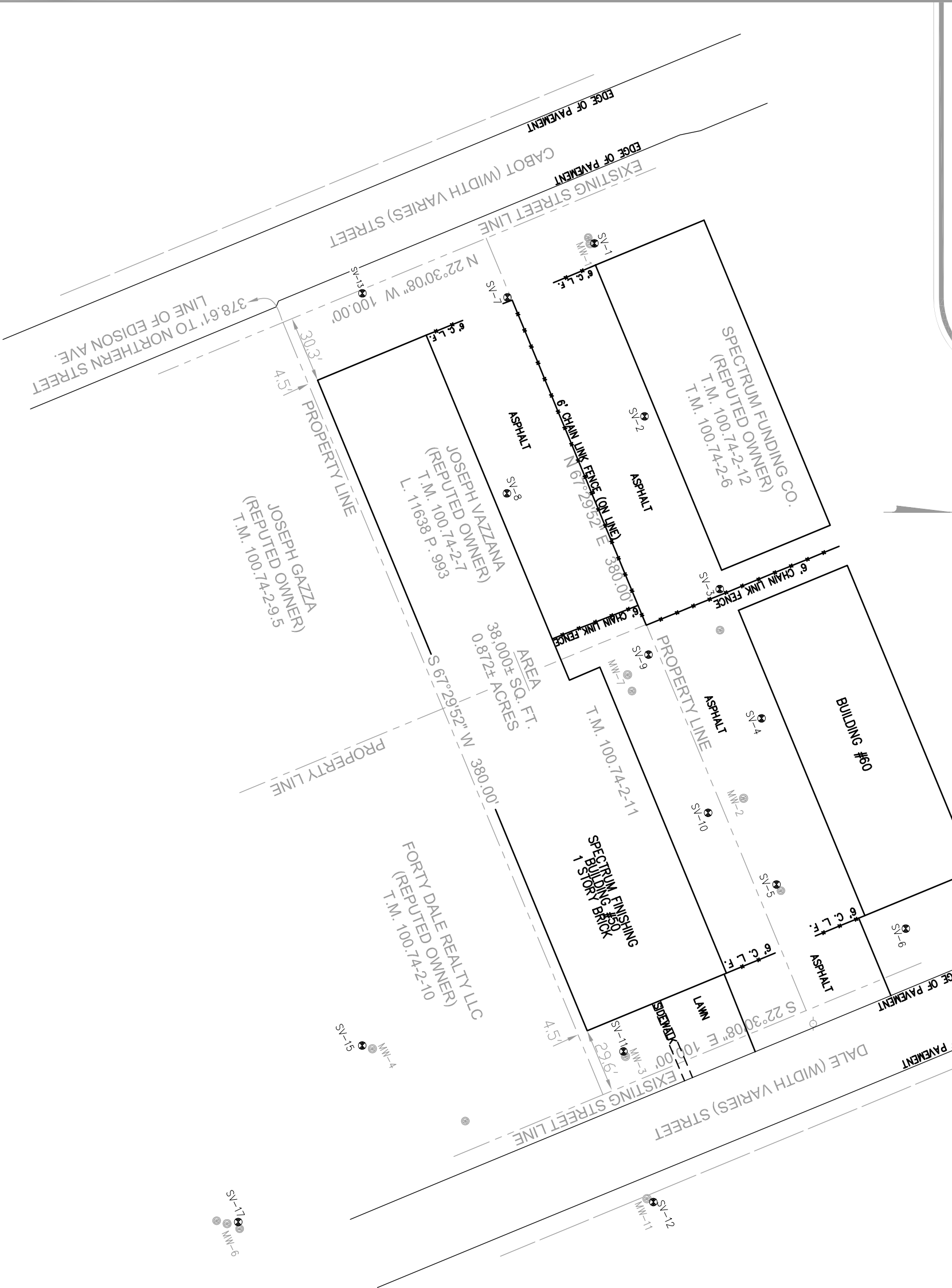


**Sample location SV-11 in front of Spectrum on Dale St.**



**LEGEND**

- T.M. TAX MAP
- MONITORING WELL
- GEODETTIC DRILL HOLE
- UTILITY POLE



**SAMPLE TABLE**

SAMPLE ID	UTM - ZONE 18 NORTHING	EASTING	GROUND ELEV.	CASING ELEV.	RISER ELEV.
MM-1	14796957.98	2086028.26	63.50	63.50	1S=63.29 1D=63.22
MM-2	14797027.70	2086260.35	63.41	63.41	62.67
MM-3	14796974.04	2086397.66	63.38	63.38	east=62.85 west=62.79
MM-4	14796893.04	2086394.20	62.18	62.18	4S=61.95 4E=62.06
MM-6	147969793.01	2086473.69	61.80	61.80	61.35
MM-7	14796875.00	2086224.19	63.29	63.29	62.89
MM-11	14796883.81	2086462.34	63.13	63.13	62.64
MM-12	14796612.99	2086536.15	62.33	62.33	61.97
MM-13	14796766.27	2086547.80	62.17	62.17	61.43
MM-14	14796561.11	2086433.63	61.83	61.83	61.46
SV-1	14796959.94	2086028.12	63.34	N/A	N/A
SV-2	14796982.71	2086106.75	63.07	N/A	N/A
SV-3	14797016.86	2086185.26	63.44	N/A	N/A
SV-4	14797035.86	2086244.04	63.58	N/A	N/A
SV-5	14797042.69	2086319.53	63.48	N/A	N/A
SV-6	14797101.42	2086339.59	63.96	N/A	N/A
SV-7	14796920.40	2086052.68	62.78	N/A	N/A
SV-8	14796820.17	2086141.78	63.25	N/A	N/A
SV-9	14796884.52	2086215.06	63.30	N/A	N/A
SV-10	14797011.59	2086286.95	63.53	N/A	N/A
SV-11	14796973.13	2086335.40	63.45	N/A	N/A
SV-12	14796986.72	2086463.88	63.18	N/A	N/A
SV-13	14796854.51	2086050.84	62.85	N/A	N/A
SV-15	14796854.42	2086392.73	62.28	N/A	N/A
SV-17	14796798.09	2086472.96	61.82	N/A	N/A
SV-18	14796770.46	2086549.73	62.41	N/A	N/A
SV-20	14796811.03	2086535.76	62.36	N/A	N/A
SV-21	14796564.34	2086437.59	61.76	N/A	N/A

**SURVEY NOTES**

- 1) HORIZONTAL LOCATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM 1983 / 1986 AND BSEB - UTM ZONE 18 (US SURVEY FEET)
- 2) VERTICAL LOCATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) (US SURVEY FEET)
- 3) DISTANCES SHOWN ARE GROUND DISTANCES. BEARINGS SHOWN ARE GRID BEARINGS.

**REFERENCES**

- 1) MAP ENTITLED 'CITY OF BRISBANE, SUFFOLK CO. N.Y., COMPRISING SHEET # SURVEYED BY R.B. WHEELER, DATED OCTOBER 1880, FILED AS FILE NO. 330, DATED APRIL 22, 1881.
- 2) DEED, FILED IN LIBER 8807, PAGE 482.
- 3) DEED, FILED IN LIBER 1108, PAGE 893.
- 4) DEED, FILED IN LIBER 1214, PAGE 124.

**CERTIFICATION**

WE, MICHAEL A. VENTURA, P.E., U.S. P.E., HEREBY CERTIFY THAT THIS MAP WAS PREPARED UNDER THE DIRECTION OF A NEW YORK STATE LICENSED LAND SURVEYOR FROM AN INSTRUMENT SURVEY COMPLETED ON MAY 02, 2007 AND FROM THE REFERENCES LISTED HEREON.

**BOUNDARY MAP**

PREPARED FOR:  
 CAMP BRECTER & WICKEL  
 15 BRITISH AMERICAN BLVD.  
 LATHAM, NY 12110

SITE:  
 SPECTRUM FINANCING  
 TOWN OF BABYLON  
 COUNTY OF SUFFOLK

SURVEY BY:  
**POPPLI**  
 CONSULTING ENGINEERS  
 & SURVEYORS

DATE: 06/07  
 SCALE: 1" = 50'  
 DRAWN BY: JFP  
 DRAWING NO.: 3277.01  
 MICHAEL A. VENTURA, U.S. P.E., LICENSE NO. 50079

Data Validation Groundwater Summary Table  
 Spectrum Finishing Corporation - Site No. 152059  
 Babylon, New York

Sample ID	152059-GW-MW3S			152059-GW-MW13ST				152059-GW-MW4S				152059-GW-MW41S				152059-GW-MW6S				152059-GW-MW12S				152059-GW-MW14S				152059-GW-MW1S				152059-GW-MW11S				152059-GW-MW2				152059-GW-MW7S	
Lab Sample Number	Y2464-01			Y2464-02				Y2464-03				Y2464-04				Y2464-05				Y2464-06				Y2464-07				Y2464-08				Y2464-11				Y2464-12				Y2464-13	
Sampling Date	04/24/07			04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07	
Matrix	WATER			WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER	
Dilution Factor	1.0			1.0				1.0				1.0				1.0				1.0				1.0				1.0				1.0				1.0				1.0	
Units	ug/L			ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L	
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Mercury	7439-97-6	0.11	U			0.34		0.11	U			0.11	U			0.11	U			0.11	U			0.12	J			0.12	J			0.11	U			0.11	U			0.11	U
Aluminum	7429-90-5	2920		16800		943		650				141				146				69.6				2830				272				225							57.9		
Antimony	7440-36-0	9.940	J	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U
Arsenic	7440-38-2	4.910	J	18.5		3.100	U	5.170	J	5.420	J	3.990	J	5.610	J	4.270	J	7.980	J	4.910	J	5.980	J	4.910	J	4.270	J	7.980	J	4.910	J	5.980	J	4.910	J	5.980	J	4.910	J	5.980	J
Barium	7440-39-3	46.3	J	121		70.3		59.8		42.5	J	62.5		53.3		52.7		84.1		33.4	J	50.1		52.7		84.1		33.4	J	50.1		52.7		84.1		33.4	J	50.1		52.7	
Beryllium	7440-41-7	0.270	J	1.440	J	0.230	J	0.210	J	0.120	J	0.210	J	0.190	J	0.430	J	0.430	J	0.430	J	0.290	J	0.130	J	0.190	J	0.430	J	0.430	J	0.290	J	0.130	J	0.190	J	0.430	J	0.430	J
Cadmium	7440-43-9	12.4		5.320		1270		1140		311		381		63.8		22.9		2.400	J	4.610		4.080		2.400	J	4.610		2.400	J	4.610		2.400	J	4.610		2.400	J	4.610		2.400	J
Calcium	7440-70-2	18600		55300		19500		16800		14800		19900		21300		42700		19500		14800		29100		19500		21300		42700		19500		14800		29100		19500		14800		29100	
Chromium	7440-47-3	63.2		91.4		14.4		9.480		186		9.760		2.490	J	5.710		5.710		5.710		17.4		5.710		2.490	J	5.710		5.710		17.4		5.710		5.710		17.4		5.710	
Cobalt	7440-48-4	1.630	J	18.4		3.400	J	3.350	J	2.030	J	3.890	J	1.300	U	2.890	J	2.290	J	1.710	J	1.300	U	2.890	J	1.300	U	2.890	J	1.300	U	2.890	J	1.300	U	2.890	J	1.300	U	2.890	J
Copper	7440-50-8	125		36.0		536		454		9.830	J	17.6		5.480	J	118		7.060	J	35.0		13.0		5.480	J	118		7.060	J	35.0		13.0		5.480	J	118		7.060	J		
Iron	7439-89-6	2760		23100		774		292		201		121		126		1240		371		666		341		126		1240		371		666		341		126		1240		371			
Lead	7439-92-1	21.7		12.9		13.2		6.570		1.900	U	1.900	U	1.900	U	27.8		2.390	J	55.2		2.290	J	1.900	U	1.900	U	27.8		2.390	J	55.2		2.290	J	55.2		2.290	J		
Magnesium	7439-95-4	3600		9820		3960		3340		2890		3980		4320		4490		3480		2980		3560		3480		4320		4490		3480		2980		3560		3480		2980			
Manganese	7439-96-5	105		1740		228		196		56.4		122		16.2		190		52.0		142		4.030	J	16.2		190		52.0		142		4.030	J	16.2		190		52.0			
Nickel	7440-02-0	16.0	J	75.2		292		263		199		431		11.4	J	12.4	J	6.960	J	6.370	J	5.410	J	11.4	J	12.4	J	6.960	J	6.370	J	5.410	J	11.4	J	12.4	J	6.960	J		
Potassium	7440-09-7	1990		7950		3250		2810		2100		2740		3140		7230		2610		2110		2140		3140		7230		2610		2110		2140		3140		7230		2610			
Selenium	7782-49-2	4.100	J	2.680	J	3.000	J	2.100	U	3.160	J	3.180	J	3.610	J	5.610	J	3.300	J	5.380	J	3.970	J	3.610	J	3.180	J	3.610	J	5.610	J	3.300	J	5.380	J	3.970	J	3.610	J		
Silver	7440-22-4	2.140	J	1.680	J	1.340	J	1.930	J	0.730	J	1.830	J	1.790	J	1.160	J	3.390	J	2.050	J	1.150	J	1.790	J	1.830	J	1.790	J	1.160	J	3.390	J	2.050	J	1.150	J	1.790	J		
Sodium	7440-23-5	8090		58300		13500		11900		13500		15800		14200		20900		11300		9260		7920		14200		15800		14200		20900		11300		9260		7920		14200			
Thallium	7440-28-0	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U		
Vanadium	7440-62-2	3.030	J	23.2		2.270	J	1.350	J	2.270	J	1.510	J	1.000	U	2.140	J	1.000	J	1.000	J	1.460	J	1.000	U	2.140	J	1.000	J	1.000	J	1.460	J	1.000	J	1.000	J	1.460	J		
Zinc	7440-66-6	950		117		203		177		77.8		181		46.4		198		53.4		95.2		54.2		46.4		198		53.4		95.2		54.2		53.4		95.2					

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
NR - Not analyzed

Data Validation Groundwater Summary Table - VOCs  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	MW3S	MW13ST	MW4S	MW41S	MW6S	MW6SDL	MW12S	MW14S	MW1S	MW11S	MW2	MW7S	TB1														
Lab Sample Number	Y2464-01	Y2464-02	Y2464-03	Y2464-04	Y2464-05	Y2464-05DL	Y2464-06	Y2464-07	Y2464-08	Y2464-11	Y2464-12	Y2464-13	Y2464-14														
Sampling Date	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07														
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER														
Dilution Factor	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0														
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L														
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Dichlorodifluoromethane	75-71-8	0.17	U			0.17	U			0.17	U			0.17	U			0.17	U			0.17	U			0.17	U
Chloromethane	74-87-3	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U
Vinyl Chloride	75-01-4	0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U
Bromomethane	74-83-9	0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U
Chloroethane	75-00-3	0.83	U			0.83	U			0.83	U			0.83	U			0.83	U			0.83	U			0.83	U
Trichlorofluoromethane	75-69-4	0.22	U			0.22	U			0.22	U			0.22	U			0.22	U			0.22	U			0.22	U
1,1,2-Trichlorotrifluoroethane	76-13-1	1.3	U	J		1.3	U	J		1.3	U	J		1.3	U	J		1.3	U	J		1.3	U	J		1.3	U
1,1-Dichloroethene	75-35-4	0.42	U			0.42	U			0.42	U			0.42	U			0.42	U			0.42	U			0.42	U
Acetone	67-64-1	2.3	U	J		2.3	U	J		2.3	U	J		2.3	U	J		2.3	U	J		2.3	U	J		2.3	U
Carbon Disulfide	75-15-0	0.40	U			0.40	U			0.40	U			0.40	U			0.40	U			0.40	U			0.40	U
Methyl tert-butyl Ether	1634-04-4	0.28	U			0.28	U			0.28	U			0.28	U			0.28	U			0.28	U			0.28	U
Methyl Acetate	79-20-9	0.20	U			0.20	U			0.20	U			0.20	U			0.20	U			0.20	U			0.20	U
Methylene Chloride	75-09-2	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U
trans-1,2-Dichloroethene	156-60-5	0.40	U			0.40	U			0.40	U			0.40	U			0.40	U			0.40	U			0.40	U
1,1-Dichloroethane	75-34-3	0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U
Cyclohexane	110-82-7	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U
2-Butanone	78-93-3	1.1	U			1.1	U			1.1	U			1.1	U			1.1	U			1.1	U			1.1	U
Carbon Tetrachloride	56-23-5	1.1	U			1.1	U			1.1	U			1.1	U			1.1	U			1.1	U			1.1	U
cis-1,2-Dichloroethene	156-59-2	0.29	U			0.29	U			0.29	U			0.29	U			0.29	U			0.29	U			0.29	U
Chloroform	67-66-3	0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U
1,1,1-Trichloroethane	71-55-6	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U
Methylcyclohexane	108-87-2	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U
Benzene	71-43-2	0.39	U			0.39	U			0.39	U			0.39	U			0.39	U			0.39	U			0.39	U
1,2-Dichloroethane	107-06-2	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U
Trichloroethene	79-01-6	1.7	J			0.46	U			0.46	U			0.46	U			0.46	U			0.46	U			0.46	U
1,2-Dichloropropane	78-87-5	0.40	U			0.40	U			0.40	U			0.40	U			0.40	U			0.40	U			0.40	U
Bromodichloromethane	75-27-4	0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U
4-Methyl-2-Pentanone	108-10-1	1.6	U			1.6	U			1.6	U			1.6	U			1.6	U			1.6	U			1.6	U
Toluene	108-88-3	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U
t-1,3-Dichloropropene	10061-02-6	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U
cis-1,3-Dichloropropene	10061-01-5	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U
1,1,2-Trichloroethane	79-00-5	0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U
2-Hexanone	591-78-6	1.7	U			1.7	U			1.7	U			1.7	U			1.7	U			1.7	U			1.7	U
Dibromochloromethane	124-48-1	0.26	U			0.26	U			0.26	U			0.26	U			0.26	U			0.26	U			0.26	U
1,2-Dibromoethane	106-93-4	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U
Tetrachloroethene	127-18-4	16				0.48	U			30				140	E	R		94	D			9.4				0.48	U
Chlorobenzene	108-90-7	0.47	U			0.47	U			0.47	U			0.47	U			0.47	U			0.47	U			0.47	U
Ethyl Benzene	100-41-4	0.45	U			0.45	U			0.45	U			0.45	U			0.45	U			0.45	U			0.45	U
m/p-Xylenes	126777-61-2	1.2	U			1.2	U			1.2	U			1.2	U			1.2	U			1.2	U			1.2	U
o-Xylene	95-47-6	0.46	U			0.46	U			0.46	U			0.46	U			0.46	U			0.46	U			0.46	U
Styrene	100-42-5	0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U
Bromoform	75-25-2	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U
Isopropylbenzene	98-82-8	0.44	U			0.44	U			0.44	U			0.44	U			0.44	U			0.44	U			0.44	U
1,1,2,2-Tetrachloroethane	79-34-5	0.30	U			0.30	U			0.30	U			0.30	U			0.30	U			0.30	U			0.30	U
1,3-Dichlorobenzene	541-73-1	0.50	U			0.50	U			0.50	U			0.50	U			0.50	U			0.50	U			0.50	U
1,4-Dichlorobenzene	106-46-7	0.54	U			0.54	U			0.54	U			0.54	U			0.54	U			0.54	U			0.54	U
1,2-Dichlorobenzene	95-50-1	0.44	U			0.44	U			0.44	U			0.44	U			0.44	U			0.44	U			0.44	U
1,2-Dibromo-3-Chloropropane	96-12-8	0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U
1,2,4-Trichlorobenzene	120-82-1	0.46	U	J		0.46	U	J		0.46	U	J		0.46	U	J		0.46	U	J		0.46	U	J		0.46	U
Total Confident Conc. VOC		17.7				0				30				28				141				94				9.4	
Total TICs		0				0				0				0				0				0				0	

Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) - The reported value is estimated because of the presence of interference.
- D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed

Data Validation Soil Vapor Summary Table 1  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV17S	152059-SV-SV17SDL	152059-SV-SV17D	152059-SV-SV17DDL	152059-SV-SV17S	152059-SV-SV17SDL	152059-SV-SV21S	152059-SV-SV21D	152059-OA-AA2										
Lab Sample Number	Y2495-01	Y2495-01DL	Y2495-02	Y2495-02DL	Y2495-03	Y2495-03DL	Y2495-04	Y2495-05	Y2495-06										
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07										
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR										
Dilution Factor	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0										
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3										
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Dichlorodifluoromethane	75-71-8	3.61		3.56	U	3.71		3.56	U	3.22		3.56	U	3.12		3.12		2.92	
Chloromethane	74-87-3	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	0.07	U	1.29	
Vinyl Chloride	75-01-4	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	0.08	U	0.08	U
Bromomethane	74-83-9	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	0.13	U	0.13	U
Chloroethane	75-00-3	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	0.1	U	0.1	U
Trichlorofluoromethane	75-69-4	5.27		3.14	U	5.49	J	3.14	U	4.43	J	3.14	U	4.43	J	4.37	J	1.74	
Isopropyl Alcohol	67-63-0	3.56		0.59	U	0.03	U	0.59	U	0.03	U	0.59	U	0.03	U	0.03	U	0.03	U
Dichlorotetrafluoroethane	76-14-2	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	0.22	U	0.22	U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.92		3.82	U	0.19	U	3.82	U	0.92		3.82	U	1.07		1.22		0.76	J
Bromoethene	593-60-2	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	0.11	U	0.11	U
Propene	115-07-1	27.9		30.6	D	46.7	E	52.6	D	23.1		32	D	13.2		18.2		0.89	
Heptane	142-82-5	7.2		3.27	U	5.6		3.27	U	5.11		3.27	U	17.2		1.64		0.53	
1,1-Dichloroethene	75-35-4	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	0.12	U	0.12	U
Ethyl Acetate	141-78-6	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	0.08	U	0.08	U
Acetone	67-64-1	70.2	E	42.2	D	54.6	E	51.2	D	74.8	E	78.3	D	31.2		29.1		23.4	
Carbon Disulfide	75-15-0	1.34		1.49	U	1.87		1.49	U	0.07	U	1.49	U	1.24		0.71		0.07	U
Methyl tert-Butyl Ether	1634-04-4	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U	0.61		0.09	U	0.09	U
Methylene Chloride	75-09-2	4.76		1.04	U	4.42		1.04	U	2.92		1.04	U	1.81		2.4		26.8	
Allyl Chloride	107-05-1	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	0.08	U	0.08	U
trans-1,2-Dichloroethene	156-60-5	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	0.13	U	0.13	U
Vinyl Acetate	108-05-4	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	0.14	U	0.14	U
1,1-Dichloroethane	75-34-3	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	0.14	U	0.14	U
Cyclohexane	110-82-7	9.99		11.4	JD	1.78		2.08	U	6.91		2.08	U	0.1	U	0.1	U	0.1	U
2-Butanone	78-93-3	10.1		2.77	U	12.7		2.77	U	7.69		2.77	U	13.8		5.62		1.8	
Carbon Tetrachloride	56-23-5	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	0.19	U	0.63	J
cis-1,2-Dichloroethene	156-59-2	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	0.13	U	0.13	U
Chloroform	67-66-3	1.31		2.34	U	1.02	J	2.34	U	1.02	J	2.34	U	0.83	J	0.83	J	0.12	U
1,4-Dioxane	123-91-1	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	0.19	U	0.19	U
1,1,1-Trichloroethane	71-55-6	10.3	J	10.9	JD	12.3	J	12	D	7.23	J	2.39	U	40.5	J	78.9	J	0.12	U
Tetrahydrofuran	109-99-9	1.94		3.53	U	0.17	U	3.53	U	1.41		3.53	U	0.62		0.17	U	0.17	U
2,2,4-Trimethylpentane	540-84-1	7.18		2.89	U	9.74		9.33	JD	5.04		2.89	U	11.3		0.14	U	0.47	J
Benzene	71-43-2	5.42		1.6	U	5.9		1.6	U	4.21		1.6	U	5.9		2.58		0.54	
1,2-Dichloroethane	107-06-2	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	0.12	U	0.12	U
Trichloroethene	79-01-6	1.66		3.86	U	2.84		3.86	U	1.02		3.86	U	0.54	J	0.59		0.19	U
1,2-Dichloropropane	78-87-5	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	0.23	U	0.23	U
Bromodichloromethane	75-27-4	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	0.27	U	0.27	U
4-Methyl-2-Pentanone	108-10-1	10.8	J	2.13	U	7.57	J	2.13	U	8.63	J	2.13	U	3.68	J	0.11	U	0.11	U
Toluene	108-88-3	27.3		21.8	D	37.2		33.1	D	17.1		18.1	D	11.3		4.36		1.69	
t-1,3-Dichloropropene	10061-02-6	0.11	U	2.27	U	0.11	U	2.27	U	0.11	U	2.27	U	0.11	U	0.11	U	0.11	U
cis-1,3-Dichloropropene	10061-01-5	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	0.14	U	0.14	U
1,1,2-Trichloroethane	79-00-5	0.29	U	5.98	U	0.29	U	5.98	U	0.29	U	5.98	U	0.29	U	0.29	U	0.29	U
2-Hexanone	591-78-6	0.09	U	1.8	U	0.09	U	1.8	U	0.09	U	1.8	U	0.09	U	0.09	U	0.09	U
Dibromochloromethane	124-48-1	0.32	U	6.47	U	0.32	U	6.47	U	0.32	U	6.47	U	0.32	U	0.32	U	0.32	U
1,2-Dibromoethane	106-93-4	0.26	U	5.23	U	0.26	U	5.23	U	0.26	U	5.23	U	0.26	U	0.26	U	0.26	U
Tetrachloroethene	127-18-4	180	E	186	D	268	E	292	D	116		133	D	40.4		79.2		0.26	U
Chlorobenzene	108-90-7	6.75		6.01	U	0.31	U	6.01	U	2.82		6.01	U	0.31	U	0.31	U	0.31	U
Ethyl Benzene	100-41-4	4.03		3.12	U	15.9		13.9	D	2.17		3.12	U	4.51		0.78		0.16	U
m/p-Xylene	126777-61-2	14.1		5.64	U	57.2		47.7	D	7.54		5.64	U	11.7		1.6		0.87	J
o-Xylene	95-47-6	6.85		3.47	U	30.2		25.1	D	3.6		3.47	U	11.4		0.74		0.48	
Styrene	100-42-5	2.72	J	3.74	U	1.74	J	3.74	U	1.87	J	3.74	U	0.19	U	0.43	J	0.19	U
Bromoform	75-25-2	0.25	U	4.97	U	0.25	U	4.97	U	0.25	U	4.97	U	0.25	U	0.25	U	0.25	U
1,1,2,2-Tetrachloroethane	79-34-5	0.45	U	8.93	U	0.62	J	8.93	U	0.45	U	8.93	U	0.45	U	0.45	U	0.45	U
1,3,5-Trimethylbenzene	108-67-8	4.71		2.36	U	38.3		29.4	D	2.45		2.36	U	22.9		0.49	J	0.83	
1,2,4-Trimethylbenzene	95-63-6	14	J	10.8	D	91.8	J	69.7	D	7.51	J	9.82	JD	35.3	J	0.98	J	1.91	
4-Ethyltoluene	622-96-8	3.78		1.47	U	21.7		16.7	D	1.96		1.47	U	13.7		0.07	U	0.49	J
1,3-Dichlorobenzene	541-73-1	1.38	J	2.65	U	0.13	U	2.65	U	1.26	J	2.65	U	0.13	U	0.13	U	0.13	U
1,4-Dichlorobenzene	106-46-7	0.96	J	4.09	U	0.2	U	4.09	U	0.66	J	4.09	U	0.2	U	0.2	U	0.2	U
1,2-Dichlorobenzene	95-50-1	0.25	U	5.05	U	0.25	U	5.05	U	0.25	U	5.05	U	0.25	U	0.25	U	0.25	U
1,2,4-Trichlorobenzene	120-82-1	1.92	BU	6.96	U	1.33	BU	6.96	U	0.89	BU	6.96	U	0.35	U	0.35	U	0.35	U
Hexachloro-1,3-Butadiene	87-68-3	1.28		8.97	U	0.45	U	8.97	U	0.45	U	8.97	U	0.45	U	0.45	U	0.45	U
1,3-Butadiene	106-99-0	0.09	U	1.77	U	0.09	U	1.77	U	0.09	U	1.77	U	0.09	U	0.09	U	0.09	U
Hexane	110-54-3	14.1		14.8	D	7.88		2.53	U	11.1		14.1	JD	14.6		5.1		17.6	
Benzyl Chloride	100-44-7	0.14	U	2.88	U	0.14	U	2.88	U	0.14	U	2.88	U	0.14	U	0.14	U	0.14	U
Total Confident Conc. VOC		467.34		328.5		748.11		652.73		334.59		285.32		316.86		242.96		85.64	



Data Validation Soil Vapor Summary Table 1  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV3S		152059-SV-SV3SDL		152059-SV-SV3D		152059-SV-SV3DDL		152059-SV-SV31S		152059-SV-SV31SDL		152059-SV-SV2S		152059-SV-SV2D		152059-SV-7S		
Lab Sample Number	Y2495-07		Y2495-07DL		Y2495-08		Y2495-08DL		Y2495-09		Y2495-09DL		Y2495-10		Y2495-11		Y2495-12		
Sampling Date	04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		
Matrix	AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		
Dilution Factor	1.0		20.0		1.0		20.0		1.0		20.0		1.0		20.0		1.0		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		
COMPOUND	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Dichlorodifluoromethane																			
Chloromethane																			
Vinyl Chloride																			
Bromomethane																			
Chloroethane																			
Trichlorofluoromethane	J		J							J					J				J
Isopropyl Alcohol	J		J							J					J				J
Dichlorotetrafluoroethane																			
1,1,2-Trichlorotrifluoroethane																			
Bromoethene																			
Propene																			
Heptane																			
1,1-Dichloroethene																			
Ethyl Acetate																			
Acetone		E		D		E		D		E		D							
Carbon Disulfide																			
Methyl tert-Butyl Ether																			
Methylene Chloride																			
Allyl Chloride																			
trans-1,2-Dichloroethene																			
Vinyl Acetate																			
1,1-Dichloroethane																			
Cyclohexane																			
2-Butanone				JD															
Carbon Tetrachloride																			
cis-1,2-Dichloroethene																			
Chloroform																			
1,4-Dioxane																			
1,1,1-Trichloroethane		E	J		D	J			E	J					J				J
Tetrahydrofuran																			
2,2,4-Trimethylpentane																			
Benzene																			
1,2-Dichloroethane																			
Trichloroethene																			
1,2-Dichloropropane																			
Bromodichloromethane																			
4-Methyl-2-Pentanone	J		J								J				J				J
Toluene	J																		
t-1,3-Dichloropropene																			
cis-1,3-Dichloropropene																			
1,1,2-Trichloroethane																			
2-Hexanone	J		J																
Dibromochloromethane																			
1,2-Dibromoethane																			
Tetrachloroethene																			
Chlorobenzene																			
Ethyl Benzene																			
m/p-Xylene																			
o-Xylene																			
Styrene			J								J				J				J
Bromoform																			
1,1,2,2-Tetrachloroethane																			
1,3,5-Trimethylbenzene																			
1,2,4-Trimethylbenzene	J		J								J				J				J
4-Ethyltoluene																			
1,3-Dichlorobenzene			J																
1,4-Dichlorobenzene																			
1,2-Dichlorobenzene																			
1,2,4-Trichlorobenzene																			
Hexachloro-1,3-Butadiene																			
1,3-Butadiene																			
Hexane																			
Benzyl Chloride																			
Total Confident Conc. VOC																			



Data Validation Soil Vapor Summary Table 1  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-7D		152059-SV-8S		152059-SV-8SDL		152059-SV-8D		152059-SV-13S		152059-SV-13D		152059-SV-1S		152059-SV-1D		152059-OA-AA1	
Lab Sample Number	Y2495-13		Y2495-14		Y2495-14DL		Y2495-15		Y2495-16		Y2495-17		Y2495-18		Y2495-19		Y2495-20	
Sampling Date	04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07		04/26/07	
Matrix	AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR	
Dilution Factor	1.0		1.0		20.0		1.0		1.0		1.0		1.0		1.0		1.0	
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
COMPOUND	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Dichlorodifluoromethane	2.97		3.56		3.56	U		3.46		2.82		2.97		3.02		2.87		3.02
Chloromethane	0.07	U	0.07	U	1.47	U		0.07	U	0.07	U		0.07	U		0.07	U	1.33
Vinyl Chloride	0.08	U	0.08	U	1.53	U		0.08	U	0.08	U		0.08	U		0.08	U	0.08
Bromomethane	0.13	U	0.13	U	2.64	U		0.13	U	0.13	U		0.13	U		0.13	U	0.13
Chloroethane	0.1	U	0.1	U	2.02	U		0.1	U	0.1	U		0.1	U		0.1	U	0.1
Trichlorofluoromethane	4.48	J	4.09	J	3.14	U	J	4.37	J	2.75	J		3.08	J		2.63	J	2.3
Isopropyl Alcohol	0.03	U	0.03	U	0.59	U	J	0.03	U	0.03	U	J	0.03	U	J	0.03	U	20.6
Dichlorotetrafluoroethane	0.22	U	0.22	U	4.34	U		0.22	U	0.22	U		0.22	U		0.22	U	0.22
1,1,2-Trichlorotrifluoroethane	1.07		1.53		3.82	U		1.38		0.92			1.15			1.3		1.3
Bromoethene	0.11	U	0.11	U	2.28	U		0.11	U	0.11	U		0.11	U		0.11	U	0.11
Propene	7.52		18.8		21.3	D		27.7		11.9			18.2			7.23		0.09
Heptane	1.72		6.18		3.27	U		2.25		3.07			1.68			0.78		2.37
1,1-Dichloroethene	0.12	U	0.12	U	2.46	U		0.12	U	0.12	U		0.12	U		0.12	U	0.12
Ethyl Acetate	4.03		10.4		1.58	U		5.18		4.57			3.38			4.57		11.5
Acetone	39.8		89.3	E	74	D		29.8		16.8			41.2			34.8		32.4
Carbon Disulfide	0.07	U	1.87		1.49	U		1.77		0.07	U		0.07	U		0.07	U	0.34
Methyl tert-Butyl Ether	0.09	U	0.09	U	1.73	U		0.09	U	0.09	U		0.09	U		0.09	U	0.09
Methylene Chloride	1.15		6.19		1.04	U		27.5		2.78			0.87			3.02		43
Allyl Chloride	0.08	U	0.08	U	1.51	U		0.08	U	0.08	U		0.08	U		0.08	U	0.08
trans-1,2-Dichloroethene	0.13	U	0.13	U	2.7	U		0.13	U	0.13	U		0.13	U		0.13	U	0.13
Vinyl Acetate	0.14	U	0.14	U	2.81	U		0.14	U	0.14	U	J	0.14	U		0.14	U	0.14
1,1-Dichloroethane	0.14	U	0.14	U	2.75	U		0.14	U	0.14	U		0.14	U		0.14	U	0.14
Cyclohexane	0.6	J	1.04		2.08	U		0.1	U	0.1	U		0.1	U		0.64	J	1.31
2-Butanone	12.6		14.5		13	D		4.18		3.3			13.5			9.63		5.12
Carbon Tetrachloride	0.19	U	1.39		3.78	U		1.89		0.19	U		0.19	U		0.19	U	0.63
cis-1,2-Dichloroethene	0.13	U	0.13	U	2.7	U		0.13	U	0.13	U		0.13	U		0.13	U	0.13
Chloroform	2.38	J	6.96	J	2.34	U	J	21	J	0.49	J	J	0.68	J		0.68	J	0.12
1,4-Dioxane	0.19	U	0.19	U	3.96	U		0.19	U	0.19	U		0.19	U		0.19	U	0.19
1,1,1-Trichloroethane	7.13	J	36.4	J	27.2	D		33.9	J	1.74	J		2.34	J		0.12	U	0.12
Tetrahydrofuran	0.17	U	0.77		3.53	U		0.17	U	0.17	U		0.17	U		0.82		0.17
2,2,4-Trimethylpentane	0.14	U	2.94		2.89	U		0.14	U	1.77			0.14	U		0.14	U	0.84
Benzene	2.36		5.52		1.6	U		3.09		2.42			2.46			1.85		1.24
1,2-Dichloroethane	0.12	U	0.12	U	2.43	U		0.12	U	0.12	U		0.12	U		0.12	U	0.12
Trichloroethene	0.19	U	1.93		3.86	U		2.2		0.19	U		0.19	U		0.19	U	0.75
1,2-Dichloropropane	0.23	U	0.23	U	4.53	U		0.23	U	0.23	U		0.23	U		0.23	U	0.23
Bromodichloromethane	0.27	U	0.27	U	5.37	U		0.27	U	0.27	U		0.27	U		0.27	U	0.27
4-Methyl-2-Pentanone	1.02	J	3.11	J	2.13	U	J	1.02	J	0.11	U	J	2.33	J		1.39	J	6.87
Toluene	4.74		79.9	E	53.4	D		4.89	J	5.68	J		4.44	J		8.35	J	27.7
t-1,3-Dichloropropene	0.11	U	0.11	U	2.27	U		0.11	U	0.11	U		0.11	U		0.11	U	0.11
cis-1,3-Dichloropropene	0.14	U	0.14	U	2.81	U		0.14	U	0.14	U		0.14	U		0.14	U	0.14
1,1,2-Trichloroethane	0.29	U	0.29	U	5.98	U		0.29	U	0.29	U		0.29	U		0.29	U	0.29
2-Hexanone	1.31	J	0.09	J	1.8	U	J	0.09	U	0.09	U	J	1.15	J		0.09	U	0.09
Dibromochloromethane	0.32	U	0.32	U	6.47	U		0.32	U	0.32	U		0.32	U		0.32	U	0.32
1,2-Dibromoethane	0.26	U	0.26	U	5.23	U		0.26	U	0.26	U		0.26	U		0.26	U	0.26
Tetrachloroethene	46.1		29.2		25.8	D		25.3		3.39			3.39			5.5		1.43
Chlorobenzene	0.31	U	0.31	U	6.01	U		0.31	U	0.31	U		0.31	U		0.31	U	0.31
Ethyl Benzene	1.13		71.3		59.8	D		2.34		2.17			0.69			0.91		1.95
m/p-Xylene	2.82		285	E	281	D		6.63		5.55			1.39			8.93		6.11
o-Xylene	1.6		158	E	146	D		3.03		3.86			0.65			1.95		2.25
Styrene	0.64	J	3.02	J	3.74	U	J	0.77	J	62.9	J		1.4	J		0.19	U	1.74
Bromoform	0.25	U	0.25	U	4.97	U		0.25	U	0.25	U		0.25	U		0.25	U	0.25
1,1,2,2-Tetrachloroethane	0.45	U	0.45	U	8.93	U		0.45	U	0.45	U		0.45	U		0.45	U	0.45
1,3,5-Trimethylbenzene	6.87		230	E	230	D		3.14		11.1			3.48			9.18		0.79
1,2,4-Trimethylbenzene	11.9	J	386	E	646	D	J	11.4	J	18	J		6.77	J		16.5	J	2.01
4-Ethyltoluene	3.83		92.5		84.4	D		2.01		5.35			1.47			4.86		0.64
1,3-Dichlorobenzene	0.13	U	0.13	U	2.65	U		0.13	U	0.13	U		0.13	U		0.13	U	0.13
1,4-Dichlorobenzene	0.2	U	0.2	U	4.09	U		0.2	U	0.2	U		0.2	U		0.2	U	0.2
1,2-Dichlorobenzene	0.25	U	0.25	U	5.05	U		0.25	U	0.25	U		0.25	U		0.25	U	0.25
1,2,4-Trichlorobenzene	0.35	U	0.35	U	6.96	U		0.35	U	0.35	U		0.35	U	BU	0.35	U	0.35
Hexachloro-1,3-Butadiene	0.45	U	0.45	U	8.97	U		0.45	U	0.45	U		0.45	U		0.45	U	0.45
1,3-Butadiene	0.09	U	0.09	U	1.77	U		0.09	U	0.09	U		0.09	U		0.09	U	0.09
Hexane	4.04		8.65		2.53	U		4.61		4.12			3.41			3.41		9.5
Benzyl Chloride	0.14	U	0.14	U	2.88	U		0.14	U	0.14	U		0.14	U		0.14	U	0.14
Total Confident Conc. VOC	173.81		1560.05		1661.9			234.81		177.45			122.08			113.42		189.04

Data Validation Soil Vapor Table 2  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV6S	152059-SV-SV6SDL	152059-SV-SV6D	152059-SV-SV6DDL	152059-SV-SV11S	152059-SV-SV11SDL	152059-SV-SV11D	152059-SV-SV11DDL	152059-SV-SV12S						
Lab Sample Number	Y2414-01	Y2414-01DL	Y2414-02	Y2414-02DL	Y2414-03	Y2414-03DL	Y2414-04	Y2414-04DL	Y2414-05						
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07						
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR						
Dilution Factor	1.0	20.0	1.0	20.0	1.0	10.0	1.0	10.0	1.0						
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3						
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV		
Dichlorodifluoromethane	75-71-8	3.02		3.56	U	2.97		3.56	U	2.72		1.78	U	2.62	
Chloromethane	74-87-3	0.55		1.47	U	0.07	U	1.47	U	0.07	U	0.74	U	0.07	U
Vinyl Chloride	75-01-4	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	0.77	U	0.08	U
Bromomethane	74-83-9	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	1.32	U	0.13	U
Chloroethane	75-00-3	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	1.01	U	0.1	U
Trichlorofluoromethane	75-69-4	4.43		3.14	U	3.92		3.14	U	2.8		1.57	U	3.81	
Isopropyl Alcohol	67-63-0	2.5		0.59	U	3.66		0.59	U	2.26		0.29	U	3.31	
Dichlorotetrafluoroethane	76-14-2	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	2.17	U	0.22	U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.84	J	3.82	U	0.84	J	3.82	U	0.84	J	1.91	U	0.76	J
Bromoethene	593-60-2	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	1.14	U	0.11	U
Propene	115-07-1	13.1	J	21.6	D	14.5	J	23	D	2.73	J	0.88	U	0.09	U
Heptane	142-82-5	0.65	J	3.27	U	1.23	J	3.27	U	0.53	J	1.64	U	0.16	U
1,1-Dichloroethene	75-35-4	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	1.23	U	0.12	U
Ethyl Acetate	141-78-6	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	0.79	U	4.25	
Acetone	67-64-1	29.5	J	31.3	D	37	J	40.8	D	87.2	E	68.3	D	27.3	J
Carbon Disulfide	75-15-0	0.68		1.49	U	0.99		1.49	U	0.07	U	0.75	U	0.5	
Methyl tert-Butyl Ether	1634-04-4	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	0.86	U	0.09	U
Methylene Chloride	75-09-2	11.9		27.1	D	3.72		1.04	U	2.12		12.9	D	1.88	
Allyl Chloride	107-05-1	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	0.76	U	0.08	U
trans-1,2-Dichloroethene	156-60-5	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	1.35	U	0.13	U
Vinyl Acetate	108-05-4	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	1.41	U	0.14	U
1,1-Dichloroethane	75-34-3	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	1.38	U	0.14	U
Cyclohexane	110-82-7	0.1	U	2.08	U	0.1	U	2.08	U	0.1	U	1.04	U	0.1	U
2-Butanone	78-93-3	5.18		2.77	U	13.1		12.4	D	9.31		8.25	D	5.09	
Carbon Tetrachloride	56-23-5	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	1.89	U	0.19	U
cis-1,2-Dichloroethene	156-59-2	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	1.35	U	0.13	U
Chloroform	67-66-3	0.12	U	2.34	U	0.12	U	2.34	U	4.67		1.17	U	1.9	
1,4-Dioxane	123-91-1	1.01		3.96	U	0.19	U	3.96	U	0.19	U	1.94	U	0.19	U
1,1,1-Trichloroethane	71-55-6	20.6		26.1	D	18.2		21.8	D	7.07		7.07	D	9.08	
Tetrahydrofuran	109-99-9	0.17	U	3.53	U	0.62		3.53	U	0.17	U	1.74	U	0.17	U
2,2,4-Trimethylpentane	540-84-1	0.14	U	2.89	U	0.14	U	2.89	U	0.14	U	1.45	U	0.14	U
Benzene	71-43-2	0.99		1.6	U	1.28		1.6	U	1.02		0.8	U	0.64	
1,2-Dichloroethane	107-06-2	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	1.21	U	0.12	U
Trichloroethene	79-01-6	6.48		3.86	U	9.7		10.7	JD	0.19		1.93	U	0.75	
1,2-Dichloropropane	78-87-5	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	2.26	U	0.23	U
Bromodichloromethane	75-27-4	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	2.68	U	0.27	U
4-Methyl-2-Pentanone	108-10-1	4.09		2.13	U	9.24		2.13	U	11.9		1.06	U	2.33	
Toluene	108-88-3	8.54	J	7.53	JD	11.3	J	9.03	D	17.3	J	10.2	D	3.95	J
t-1,3-Dichloropropene	10061-02-6	0.11	U	2.27	U	0.11	U	2.27	U	0.11	U	1.13	U	0.11	U
cis-1,3-Dichloropropene	10061-01-5	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	1.41	U	0.14	U
1,1,2-Trichloroethane	79-00-5	0.29	U	5.98	U	0.29	U	5.98	U	0.29	U	2.94	U	0.29	U
2-Hexanone	591-78-6	0.09	U	1.8	U	0.09	U	1.8	U	0.09	U	0.9	U	0.09	U
Dibromochloromethane	124-48-1	0.32	U	6.47	U	0.32	U	6.47	U	0.32	U	3.23	U	0.32	U
1,2-Dibromoethane	106-93-4	0.26	U	5.23	U	0.26	U	5.23	U	0.26	U	2.61	U	0.26	U
Tetrachloroethene	127-18-4	689	E	688	D	686	E	585	D	81.1		67.2	D	147	E
Chlorobenzene	108-90-7	0.31	U	6.01	U	0.31	U	6.01	U	0.31	U	3.05	U	0.31	U
Ethyl Benzene	100-41-4	1.13	J	3.12	U	1.04	J	3.12	U	1.04	J	1.56	U	0.43	J
m/p-Xylene	126777-61-2	4.6	J	5.64	U	3.69	J	5.64	U	3.9	J	2.77	U	1.47	J
o-Xylene	95-47-6	1.43	J	3.47	U	1.34	J	3.47	U	1.91	J	1.73	U	0.65	J
Styrene	100-42-5	0.19	U	3.74	U	0.19	U	3.74	U	34.2	J	12.8	D	1.4	J
Bromoform	75-25-2	0.25	U	4.97	U	0.25	U	4.97	U	0.25	U	2.48	U	0.25	U
1,1,2,2-Tetrachloroethane	79-34-5	0.45	U	8.93	U	0.45	U	8.93	U	0.45	U	4.47	U	0.45	U
1,3,5-Trimethylbenzene	108-67-8	0.83	J	2.36	U	0.74	J	2.36	U	0.79	J	1.18	U	0.12	U
1,2,4-Trimethylbenzene	95-63-6	2.99	J	3.53	U	3.34	J	3.53	U	2.7	J	1.77	U	1.62	J
4-Ethyltoluene	622-96-8	0.59		1.47	U	0.64		1.47	U	0.07	U	0.74	U	0.49	J
1,3-Dichlorobenzene	541-73-1	0.13	U	2.65	U	0.13	U	2.65	U	0.13	U	1.32	U	0.13	U
1,4-Dichlorobenzene	106-46-7	0.66	J	4.09	U	0.96	J	4.09	U	0.84	J	2.04	U	0.6	J
1,2-Dichlorobenzene	95-50-1	0.25	U	5.05	U	0.25	U	5.05	U	0.25	U	2.53	U	0.25	U
1,2,4-Trichlorobenzene	120-82-1	0.89	J	6.96	U	1.18	J	6.96	U	0.96	J	3.48	U	0.96	J
Hexachloro-1,3-Butadiene	87-68-3	1.71	BU	8.97	U	1.81	BU	8.97	U	1.81	BU	4.48	U	2.03	BU
1,3-Butadiene	106-99-0	0.09	U	1.77	U	0.09	U	1.77	U	0.09	U	0.88	U	0.09	U
Hexane	110-54-3	3.83		2.53	U	3.13		2.53	U	0.13	U	1.27	U	0.13	U
Benzyl Chloride	100-44-7	0.14	U	2.88	U	0.14	U	2.88	U	0.14	U	1.44	U	0.14	U

Total Confident Conc. VOC 821.72 801.63 836.14 702.73 281.72 186.72 216.69 152.85 185.06

Data Validation Soil Vapor Table 2  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV12D	152059-SV-SV5S	152059-SV-SV5SDL	152059-SV-SV5D	152059-SV-SV5DDL	152059-SV-SV10S	152059-SV-SV10SDL	152059-SV-SV10D	152059-SV-SV10DDL	152059-SV-SV4S											
Lab Sample Number	Y2414-06	Y2414-07	Y2414-07DL	Y2414-08	Y2414-08DL	Y2414-09	Y2414-09DL	Y2414-10	Y2414-10DL	Y2414-11											
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07											
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR											
Dilution Factor	1.0	1.0	20.0	5.0	20.0	2.0	20.0	5.0	20.0	5.0											
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3											
COMPOUND	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV									
Dichlorodifluoromethane	2.97		4.95		3.56	U	7.18		10.9	D	4.36		3.56	U	5.69	J	3.56	U	8.41		
Chloromethane	0.07	U	0.07	U	1.47	U	0.37	U	1.47	U	0.15	U	1.47	U	0.37	U	1.47	U	0.37	U	
Vinyl Chloride	0.08	U	0.08	U	1.53	U	0.38	U	1.53	U	0.15	U	1.53	U	0.38	U	1.53	U	0.38	U	
Bromomethane	0.13	U	0.13	U	2.64	U	0.66	U	2.64	U	0.26	U	2.64	U	0.66	U	2.64	U	0.66	U	
Chloroethane	0.1	U	0.1	U	2.02	U	0.51	U	2.02	U	0.2	U	2.02	U	0.51	U	2.02	U	0.51	U	
Trichlorofluoromethane	2.97		11.9		14.6	D	15.4		21.3	D	12.9		16.8	D	12	J	14.6	D	12.9		
Isopropyl Alcohol	0.03	U	0.03	U	0.59	U	0.15	U	0.59	U	0.06	U	0.59	U	0.15	U	0.59	U	0.15	U	
Dichlorotetrafluoroethane	0.22	U	0.22	U	4.34	U	1.12	U	4.34	U	0.43	U	4.34	U	1.12	U	4.34	U	1.12	U	
1,1,2-Trichlorotrifluoroethane	0.99	J	0.84	J	3.82	U	0.92	U	3.82	U	0.38	U	3.82	U	0.92	U	3.82	U	0.92	U	
Bromoethene	0.11	U	0.11	U	2.28	U	0.57	U	2.28	U	0.23	U	2.28	U	0.57	U	2.28	U	0.57	U	
Propene	10.4	J	13.6	J	21.6	D	46	J	62.5	D	23.2	J	36.1	D	60.6	J	81.1	D	40.8		
Heptane	1.15	J	0.98	J	3.27	U	2.25	J	3.27	U	2.21	J	3.27	U	4.91	J	3.27	U	2.86		
1,1-Dichloroethene	0.12	U	0.12	U	2.46	U	0.63	U	2.46	U	1.75		2.46	U	2.38	J	2.46	U	0.63	U	
Ethyl Acetate	0.08	U	0.08	U	1.58	U	0.4	U	1.58	U	0.16	U	1.58	U	0.4	U	1.58	U	0.4	U	
Acetone	39.8	J	29.7	J	35.1	D	68.1	J	87.8	D	39.6	J	49.3	D	52.7	J	52.2	D	50.6		
Carbon Disulfide	0.07	U	0.07	U	1.49	U	2.8		1.49	U	1.55		1.49	U	2.8		1.49	U	2.02		
Methyl tert-Butyl Ether	0.09	U	21.3		23	D	47.5		53.3	D	0.17	U	1.73	U	0.43	U	1.73	U	0.43	U	
Methylene Chloride	13.5		0.76		1.04	U	4.52		1.04	U	5.08		1.04	U	4.87	J	1.04	U	3.82		
Allyl Chloride	0.08	U	0.08	U	1.51	U	0.38	U	1.51	U	0.15	U	1.51	U	0.38	U	1.51	U	0.38	U	
trans-1,2-Dichloroethene	0.13	U	0.13	U	2.7	U	0.67	U	2.7	U	0.27	U	2.7	U	0.67	U	2.7	U	0.67	U	
Vinyl Acetate	0.14	U	0.14	U	2.81	U	0.7	U	2.81	U	0.28	U	2.81	U	0.7	U	2.81	U	0.7	U	
1,1-Dichloroethane	0.14	U	0.14	U	2.75	U	0.69	U	2.75	U	17		21.9	D	17.8	J	21.1	D	21.5		
Cyclohexane	0.1	U	0.1	U	2.08	U	0.54	U	2.08	U	0.21	U	2.08	U	0.54	U	2.08	U	0.54	U	
2-Butanone	19.5		18.1		18.8	D	37.4		40	D	18.7		20	D	20.2	J	23	D	16		
Carbon Tetrachloride	0.19	U	0.19	U	3.78	U	0.94	U	3.78	U	0.38	U	3.78	U	0.94	U	3.78	U	0.94	U	
cis-1,2-Dichloroethene	0.13	U	0.13	U	2.7	U	0.67	U	2.7	U	1.35	J	2.7	U	0.67	U	2.7	U	0.67	U	
Chloroform	0.12	U	0.12	U	2.34	U	0.58	U	2.34	U	0.97	J	2.34	U	0.58	U	2.34	U	2.68		
1,4-Dioxane	0.19	U	0.19	U	3.96	U	0.97	U	3.96	U	0.4	U	3.96	U	0.97	U	3.96	U	0.97	U	
1,1,1-Trichloroethane	0.65		208	E	239	D	243		292	D	649	E	796	D	604	E	J	682	D	183	
Tetrahydrofuran	0.17	U	0.17	U	3.53	U	0.88	U	3.53	U	0.35	U	3.53	U	0.88	U	3.53	U	0.88	U	
2,2,4-Trimethylpentane	0.14	U	0.14	U	2.89	U	0.75	U	2.89	U	0.29	U	2.89	U	0.75	U	2.89	U	0.75	U	
Benzene	2.74		1.79		1.6	U	6.7		8.93	D	2.36		1.6	U	6.06	J	7.66	D	3.83		
1,2-Dichloroethane	0.12	U	0.12	U	2.43	U	0.61	U	2.43	U	0.24	U	2.43	U	0.61	U	2.43	U	0.61	U	
Trichloroethene	0.19	U	11.3		12.9	D	20.6		23.6	D	108		119	D	86	J	105	D	4.02		
1,2-Dichloropropane	0.23	U	0.23	U	4.53	U	1.11	U	4.53	U	0.45	U	4.53	U	1.11	U	4.53	U	1.11	U	
Bromodichloromethane	0.27	U	0.27	U	5.37	U	1.34	U	5.37	U	0.54	U	5.37	U	1.34	U	5.37	U	1.34	U	
4-Methyl-2-Pentanone	53.1		8.75		2.13	U	13.5		2.13	U	10.6		2.13	U	11.9	J	2.13	U	9.41		
Toluene	63	J	9.67	J	8.28	D	18.1	J	18.8	D	15.1	J	11.3	D	19.9	J	21.8	D	16.4		
t-1,3-Dichloropropene	0.11	U	0.11	U	2.27	U	0.54	U	2.27	U	0.23	U	2.27	U	0.54	U	2.27	U	0.54	U	
cis-1,3-Dichloropropene	0.14	U	0.14	U	2.81	U	0.73	U	2.81	U	0.28	U	2.81	U	0.73	U	2.81	U	0.73	U	
1,1,2-Trichloroethane	0.29	U	0.29	U	5.98	U	1.47	U	5.98	U	0.6	U	5.98	U	1.47	U	5.98	U	1.47	U	
2-Hexanone	1.47		0.09	U	1.8	U	0.45	U	1.8	U	0.18	U	1.8	U	0.45	U	1.8	U	0.45	U	
Dibromochloromethane	0.32	U	0.32	U	6.47	U	1.62	U	6.47	U	0.65	U	6.47	U	1.62	U	6.47	U	1.62	U	
1,2-Dibromoethane	0.26	U	0.26	U	5.23	U	1.31	U	5.23	U	0.52	U	5.23	U	1.31	U	5.23	U	1.31	U	
Tetrachloroethene	15.3		1587	E	1302	D	2042	E	2038	D	1817	E	1765	D	1405	E	J	1673	D	3128	E
Chlorobenzene	0.31	U	0.31	U	6.01	U	1.53	U	6.01	U	0.6	U	6.01	U	1.53	U	6.01	U	1.53	U	
Ethyl Benzene	0.87	J	1.13	J	3.12	U	2.6	J	3.12	U	2.95	J	3.12	U	48.1	J	58.1	D	2.17	J	
m/p-Xylene	2.21	J	3.29	J	5.64	U	6.94	J	5.64	U	6.16	J	5.64	U	122	J	155	D	4.99		
o-Xylene	1	J	1.34	J	3.47	U	3.25	J	3.47	U	2.6	J	3.47	U	51.8	J	64.2	D	2.6		
Styrene	0.55	J	0.51	J	3.74	U	0.94	U	3.74	U	0.37	U	3.74	U	0.94	U	3.74	U	4.89		
Bromoform	0.25	U	0.25	U	4.97	U	1.24	U	4.97	U	0.5	U	4.97	U	1.24	U	4.97	U	1.24	U	
1,1,2,2-Tetrachloroethane	0.45	U	0.45	U	8.93	U	2.2	U	8.93	U	0.89	U	8.93	U	2.2	U	8.93	U	2.2	U	
1,3,5-Trimethylbenzene	0.64	J	1.08	J	2.36	U	0.59	U	2.36	U	4.32	J	2.36	U	10.8	J	2.36	U	0.59	U	
1,2,4-Trimethylbenzene	2.21	J	4.07	J	3.53	U	7.61	J	3.53	U	8.05	J	3.53	U	16.9	J	13.7	D	4.42		
4-Ethyltoluene	0.59		0.83		1.47	U	0.37	U	1.47	U	1.87		1.47	U	4.42	J	1.47	U	0.37	U	
1,3-Dichlorobenzene	0.13	U	0.13	U	2.65	U	0.66	U	2.65	U	0.26	U	2.65	U	0.66	U	2.65	U	0.66	U	
1,4-Dichlorobenzene	0.2	U	0.2	U	4.09	U	1.02	U	4.09	U	0.41	U	4.09	U	1.02	U	4.09	U	1.02	U	
1,2-Dichlorobenzene	0.25	U	0.25	U	5.05	U	1.26	U	5.05	U	0.51	U	5.05	U	1.26	U	5.05	U	1.26	U	
1,2,4-Trichlorobenzene	1.18	J	1.04	J	6.96	U	5.18	J	6.96	U	2.81	J	6.96	U	7.77	J	6.96	U	5.18		
Hexachloro-1,3-Butadiene	1.92	BU	2.13	BU	8.97	U	9.07	BU	8.97	U	5.12	BU	8.97	U	12.3	BU	8.97	U	11.2		
1,3-Butadiene	0.09	U	0.09	U	1.77	U	0.44	U	1.77	U	0.18	U	1.77	U	0.44	U	1.77	U	0.44	U	
Hexane	6.93		0.13	U	2.53	U	5.63		2.53	U	0.25	U	2.53	U	5.98	J	2.53	U	4.75		
Benzyl Chloride	0.14	U	0.14	U	2.88	U	0.69	U	2.88	U	0.29	U	2.88	U	0.69	U	2.88	U	0.69	U	

Total Confident Conc. VOC 245.64 522.4 1675.28 2615.33 2657.13 2764.61 2835.4 2596.88 2972.46 3546.45

Data Validation Soil Vapor Table 2  
 Spectrum Finishing Corporation - Site No. 152059  
 Babylon, New York

Sample ID	152059-SV-SV4SDL	152059-SV-SV4D	152059-SV-SV4DDL	152059-SV-SV9S	152059-SV-SV9SDL	152059-SV-SV9D	152059-SV-SV9DDL	152059-SV-SV15S	152059-SV-SV15SDL	152059-SV-SV15D
Lab Sample Number	Y2414-11DL	Y2414-12	Y2414-12DL	Y2414-13	Y2414-13DL	Y2414-14	Y2414-14DL	Y2414-15	Y2414-15DL	Y2414-16
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
Dilution Factor	62.0	5.0	64.0	2.0	20.0	2.0	20.0	1.0	10.0	1.0
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3

COMPOUND	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV			
Dichlorodifluoromethane		10.89	U	8.17		11.38	U	22.6		30.7	D	19.8		29.7	D	3.27	U	1.78	U	3.37
Chloromethane		4.5	U	0.37	U	4.7	U	0.15	U	1.47	U	0.15	U	1.47	U	0.07	U	0.74	U	0.07
Vinyl Chloride		4.86	U	0.38	U	4.86	U	0.15	U	1.53	U	0.15	U	1.53	U	0.08	U	0.77	U	0.08
Bromomethane		8.16	U	0.66	U	8.55	U	0.26	U	2.64	U	0.26	U	2.64	U	0.13	U	1.32	U	0.13
Chloroethane		6.38	U	0.51	U	6.38	U	0.2	U	2.02	U	0.2	U	2.02	U	0.1	U	1.01	U	0.1
Trichlorofluoromethane		9.53	U	11.2		10.09	U	68.8		89.7	D	60.3		81.8	D	2.86		1.57	U	3.25
Isopropyl Alcohol		1.82	U	0.15	U	1.89	U	0.06	U	0.59	U	0.06	U	0.59	U	3.34		0.29	U	0.03
Dichlorotetrafluoroethane		13.29	U	1.12	U	13.99	U	0.43	U	4.34	U	0.43	U	4.34	U	0.22	U	2.17	U	0.22
1,1,2-Trichlorotrifluoroethane		12.24	U	0.92	U	12.24	U	0.38	U	3.82	U	1.68	J	3.82	U	1.38	J	1.91	U	1.07
Bromoethene		7	U	0.57	U	7.44	U	0.23	U	2.28	U	0.23	U	2.28	U	0.11	U	1.14	U	0.11
Propene	J	55.4	D	59.4	J	68.2	D	25.8	J	40.9	D	30.8	J	48.4	D	12.7	J	19.1	D	26.7
Heptane	J	10.22	U	3.48	J	10.63	U	2.45	J	3.27	U	3.84	J	3.27	U	1.64	J	1.64	U	3.56
1,1-Dichloroethene		7.54	U	0.63	U	7.93	U	6.03		7.93	JD	5.47		8.73	D	0.12	U	1.23	U	0.12
Ethyl Acetate		5.04	U	0.4	U	5.04	U	0.16	U	1.58	U	0.16	U	1.58	U	5.76		0.79	U	0.08
Acetone	J	48.5	D	105	J	77.4	D	42.7	J	54.1	D	81.2	J	93	D	42.2	J	45.3	D	58
Carbon Disulfide		4.66	U	5.91		4.66	U	0.15	U	1.49	U	3.42		1.49	U	0.07	U	0.75	U	0.07
Methyl tert-Butyl Ether		5.4	U	0.43	U	5.4	U	0.17	U	1.73	U	1.15		1.73	U	0.09	U	0.86	U	0.09
Methylene Chloride		3.23	U	19.5		3.34	U	2.99		1.04	U	3.62		1.04	U	2.19		0.52	U	1.56
Allyl Chloride		4.72	U	0.38	U	4.72	U	0.15	U	1.51	U	0.15	U	1.51	U	0.08	U	0.76	U	0.08
trans-1,2-Dichloroethene		8.33	U	0.67	U	8.73	U	0.27	U	2.7	U	0.27	U	2.7	U	0.13	U	1.35	U	0.13
Vinyl Acetate		8.79	U	0.7	U	9.15	U	0.28	U	2.81	U	0.28	U	2.81	U	0.14	U	1.41	U	0.14
1,1-Dichloroethane		25.1	JD	24.1		25.9	JD	52.4		66.4	D	23		29.2	D	0.14	U	1.38	U	0.14
Cyclohexane		6.37	U	0.54	U	6.71	U	0.21	U	2.08	U	0.21	U	2.08	U	0.1	U	1.04	U	0.1
2-Butanone		8.54	U	40.5		8.83	U	22		24.1	D	23.8		22.4	D	13.6		12.1	D	17.2
Carbon Tetrachloride		11.97	U	0.94	U	11.97	U	0.38	U	3.78	U	0.38	U	3.78	U	0.19	U	1.89	U	0.19
cis-1,2-Dichloroethene		8.33	U	0.67	U	8.73	U	0.27	U	2.7	U	0.27	U	2.7	U	0.13	U	1.35	U	0.13
Chloroform		7.3	U	2.68		7.3	U	4.67		2.34	U	5.26		2.34	U	1.36		1.17	U	1.46
1,4-Dioxane		11.88	U	0.97	U	12.6	U	0.4	U	3.96	U	0.4	U	3.96	U	0.19	U	1.94	U	0.19
1,1,1-Trichloroethane		229	D	153		157	D	1024	E	1459	D	767	E	972	D	19.4		21.8	D	16.6
Tetrahydrofuran		10.9	U	0.88	U	11.19	U	0.35	U	3.53	U	0.35	U	3.53	U	0.17	U	1.74	U	0.17
2,2,4-Trimethylpentane		8.86	U	0.75	U	9.33	U	0.29	U	2.89	U	0.29	U	2.89	U	0.14	U	1.45	U	0.14
Benzene		5.1	U	7.66		5.1	U	3		1.6	U	4.98		7.66	D	3.54		3.83	D	5.55
1,2-Dichloroethane		7.69	U	0.61	U	7.69	U	0.24	U	2.43	U	0.24	U	2.43	U	0.12	U	1.21	U	0.12
Trichloroethene		11.79	U	3.48		12.32	U	159		186	D	87.2		109	D	1.77		1.93	U	2.73
1,2-Dichloropropane		13.87	U	1.11	U	14.33	U	0.45	U	4.53	U	0.45	U	4.53	U	0.23	U	2.26	U	0.23
Bromodichloromethane		16.77	U	1.34	U	17.44	U	0.54	U	5.37	U	0.54	U	5.37	U	0.27	U	2.68	U	0.27
4-Methyl-2-Pentanone		6.54	U	130		6.95	U	78.8		70.3	D	47.8		39.3	D	71.8		56.9	D	61.4
Toluene	J	10.16	U	131	J	50.6	D	8.96	J	9.03	D	43.9	J	39.9	D	66	J	57.2	D	59.9
t-1,3-Dichloropropene		7.26	U	0.54	U	7.26	U	0.23	U	2.27	U	0.23	U	2.27	U	0.11	U	1.13	U	0.11
cis-1,3-Dichloropropene		8.63	U	0.73	U	9.08	U	0.28	U	2.81	U	0.28	U	2.81	U	0.14	U	1.41	U	0.14
1,1,2-Trichloroethane		17.95	U	1.47	U	19.04	U	0.6	U	5.98	U	0.6	U	5.98	U	0.29	U	2.94	U	0.29
2-Hexanone		5.73	U	0.45	U	5.73	U	0.18	U	1.8	U	0.18	U	1.8	U	0.9		0.9	U	0.09
Dibromochloromethane		20.42	U	1.62	U	20.42	U	0.65	U	6.47	U	0.65	U	6.47	U	0.32	U	3.23	U	0.32
1,2-Dibromoethane		16.15	U	1.31	U	16.92	U	0.52	U	5.23	U	0.52	U	5.23	U	0.26	U	2.61	U	0.26
Tetrachloroethene		3006	D	3672	E	2594	D	652	E	674	D	318	E	372	D	342	E	321	D	336
Chlorobenzene		18.95	U	1.53	U	19.41	U	0.6	U	6.01	U	0.6	U	6.01	U	0.31	U	3.05	U	0.31
Ethyl Benzene	J	9.54	U	2.17	J	9.97	U	3.03	J	3.12	U	3.29	J	3.12	U	1.21	J	1.56	U	1.99
m/p-Xylene	J	17.34	U	4.77	J	17.78	U	12.1	J	5.64	U	9.1	J	5.64	U	2.12	J	2.77	U	3.38
o-Xylene	J	10.84	U	2.82	J	11.27	U	7.54	J	3.47	U	4.94	J	3.47	U	0.95	J	1.73	U	1.73
Styrene	J	11.48	U	4.68	J	11.91	U	0.94	J	3.74	U	1.79	J	3.74	U	0.89	J	1.87	U	1.11
Bromoform		15.52	U	1.24	U	15.52	U	0.5	U	4.97	U	0.5	U	4.97	U	0.25	U	2.48	U	0.25
1,1,2,2-Tetrachloroethane		27.48	U	2.2	U	28.86	U	0.89	U	8.93	U	0.89	U	8.93	U	0.45	U	4.47	U	0.45
1,3,5-Trimethylbenzene		7.36	U	9.08	J	7.36	U	13.3	J	2.36	U	3.53	J	2.36	U	0.12	U	1.18	U	0.12
1,2,4-Trimethylbenzene	J	10.8	U	14.5	J	11.29	U	35.4	J	24.5	D	10.5	J	3.53	U	1.37	J	1.77	U	1.37
4-Ethyltoluene		4.56	U	4.17		4.71	U	5.89		1.47	U	1.87		1.47	U	0.07	U	0.74	U	0.49
1,3-Dichlorobenzene		8.42	U	0.66	U	8.42	U	0.26	U	2.65	U	0.26	U	2.65	U	0.13	U	1.32	U	0.13
1,4-Dichlorobenzene		12.63	U	1.02	U	13.23	U	0.41	U	4.09	U	0.41	U	4.09	U	0.2	U	2.04	U	0.2
1,2-Dichlorobenzene		15.63	U	1.26	U	16.23	U	0.51	U	5.05	U	0.51	U	5.05	U	0.25	U	2.53	U	0.25
1,2,4-Trichlorobenzene	J	21.47	U	5.55	J	22.21	U	3.26	J	6.96	U	2.52	J	6.96	U	1.41	J	3.48	U	1.33
Hexachloro-1,3-Butadiene	BU	27.75	U	11.2	BU	28.82	U	4.7	BU	8.97	U	4.91	BU	8.97	U	2.46	BU	4.48	U	2.56
1,3-Butadiene		5.52	U	0.44	U	5.74	U	0.18	U	1.77	U	0.18	U	1.77	U	0.09	U	0.88	U	0.09
Hexane		7.74	U	11.3		8.09	U	4.01		2.53	U	4.99		2.53	U	4.26		1.27	U	5.94
Benzyl Chloride		9.23	U	0.69	U	9.23	U	0.29	U	2.88	U	0.29	U	2.88	U	0.14	U	1.44	U	0.14

Total Confident Conc. VOC 3364 4447.32 2973.1 2266.37 2736.66 1579.66 1853.09 610.38 537.23 618.25



Data Validation Soil Vapor Table 2  
 Spectrum Finishing Corporation - Site No. 152059  
 Babylon, New York

Sample ID	152059-SV-SV15DDL	152059-SV-SV18S	152059-SV-SV18D	152059-SV-SV18DDL	152059-SV-SV20S	152059-SV-SV20SDL	152059-SV-SV20D	152059-SV-SV20DDL														
Lab Sample Number	Y2414-16DL	Y2414-17	Y2414-18	Y2414-18DL	Y2414-19	Y2414-19DL	Y2414-20	Y2414-20DL														
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07														
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR														
Dilution Factor	10.0	1.0	1.0	20.0	1.0	20.0	1.0	20.0														
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3														
COMPOUND	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV								
Dichlorodifluoromethane			1.78	U	4.16		2.92		3.56	U	5.3		3.56	U	7.37		3.56	U				
Chloromethane	U		0.74	U	0.07	U	1.76		1.47	U	0.07	U	1.47	U	0.07	U	1.47	U				
Vinyl Chloride	U		0.77	U	0.08	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U				
Bromomethane	U		1.32	U	0.13	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U				
Chloroethane	U		1.01	U	0.1	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U				
Trichlorofluoromethane	U		1.57	U	4.93		2.02		3.14	U	5.55		3.14	U	6.22		3.14	U				
Isopropyl Alcohol	U		0.29	U	0.03	U	0.79		0.59	U	0.03	U	0.59	U	0.03	U	0.59	U				
Dichlorotetrafluoroethane	U		2.17	U	0.22	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U				
1,1,2-Trichlorotrifluoroethane	J		1.91	U	1.15	J	0.84	J	3.82	U	1.45	J	3.82	U	1.22	J	3.82	U				
Bromoethene	U		1.14	U	0.11	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U				
Propene	J		42.8	D	5.5	J	4.26	J	1.72	U	0.09	U	1.72	U	23.6	J	44	D				
Heptane	J		1.64	U	0.65	J	0.78	J	3.27	U	1.23	J	3.27	U	2.54	J	3.27	U				
1,1-Dichloroethene	U		1.23	U	0.12	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U				
Ethyl Acetate	U		0.79	U	0.08	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U				
Acetone	E	J	60.3	D	J	22.7	E	J	276	D	J	20.4	E	J	28.9	D	51.2	E	J	55	D	J
Carbon Disulfide	U		0.75	U	0.07	U	0.07	U	1.49	U	0.07	U	1.49	U	0.07	U	1.49	U				
Methyl tert-Butyl Ether	U		0.86	U	0.09	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U				
Methylene Chloride	U		0.52	U	3.65		12.9		21.6	D	2.12		16	D	2.22		15.3	D				
Allyl Chloride	U		0.76	U	0.08	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U				
trans-1,2-Dichloroethene	U		1.35	U	0.13	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U				
Vinyl Acetate	U		1.41	U	0.14	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U				
1,1-Dichloroethane	U		1.38	U	0.14	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U				
Cyclohexane	U		1.04	U	0.1	U	0.1	U	2.08	U	0.1	U	2.08	U	0.1	U	2.08	U				
2-Butanone	U		15.3	D	6.1		6.39		2.77	U	7.01		2.77	U	15.5		17.7	D				
Carbon Tetrachloride	U		1.89	U	0.19	U	0.69		3.78	U	0.19	U	3.78	U	0.19	U	3.78	U				
cis-1,2-Dichloroethene	U		1.35	U	0.13	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U				
Chloroform	U		1.17	U	0.12	U	0.12	U	2.34	U	0.58		2.34	U	0.63		2.34	U				
1,4-Dioxane	U		1.94	U	0.19	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U				
1,1,1-Trichloroethane	U		19	D	0.92		1.31		2.39	U	12		15.2	D	21.5		26.1	D				
Tetrahydrofuran	U		1.74	U	0.17	U	0.17	U	3.53	U	0.17	U	3.53	U	0.17	U	3.53	U				
2,2,4-Trimethylpentane	U		1.45	U	0.14	U	0.14	U	2.89	U	1.54		2.89	U	0.14	U	2.89	U				
Benzene	U		6.38	D	1.4		0.99		1.6	U	2.33		1.6	U	3.92		1.6	U				
1,2-Dichloroethane	U		1.21	U	0.12	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U				
Trichloroethene	U		1.93	U	0.19	U	0.19	U	3.86	U	0.59		3.86	U	1.34		3.86	U				
1,2-Dichloropropane	U		2.26	U	0.23	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U				
Bromodichloromethane	U		2.68	U	0.27	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U				
4-Methyl-2-Pentanone	U		47	D	6.46		3.64		2.13	U	10.2		2.13	U	10.2		2.13	U				
Toluene	J		59.5	D	10.4	J	7.53	J	3.31	U	11.7	J	9.78	D	13.5	J	11.3	D				
t-1,3-Dichloropropene	U		1.13	U	0.11	U	0.11	U	2.27	U	0.11	U	2.27	U	0.11	U	2.27	U				
cis-1,3-Dichloropropene	U		1.41	U	0.14	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U				
1,1,2-Trichloroethane	U		2.94	U	0.29	U	0.29	U	5.98	U	0.29	U	5.98	U	0.29	U	5.98	U				
2-Hexanone	U		0.9	U	0.09	U	0.09	U	1.8	U	0.09	U	1.8	U	0.09	U	1.8	U				
Dibromochloromethane	U		3.23	U	0.32	U	0.32	U	6.47	U	0.32	U	6.47	U	0.32	U	6.47	U				
1,2-Dibromoethane	U		2.61	U	0.26	U	0.26	U	5.23	U	0.26	U	5.23	U	0.26	U	5.23	U				
Tetrachloroethene	E		299	D	14.5		2.78		5.3	U	260	E	234	D	396	E	353	D				
Chlorobenzene	U		3.05	U	0.31	U	0.31	U	6.01	U	0.31	U	6.01	U	0.31	U	6.01	U				
Ethyl Benzene	J		1.56	U	0.56	J	0.48	J	3.12	U	0.48	J	3.12	U	1	J	3.12	U				
m/p-Xylene	J		2.77	U	1.04	J	0.95	J	5.64	U	1	J	5.64	U	2.47	J	5.64	U				
o-Xylene	J		1.73	U	0.65	J	0.48	J	3.47	U	0.43	J	3.47	U	0.91	J	3.47	U				
Styrene	J		1.87	U	0.51	J	0.19	U	3.74	U	0.19	U	3.74	U	0.72	J	3.74	U				
Bromoform	U		2.48	U	0.25	U	0.25	U	4.97	U	0.25	U	4.97	U	0.25	U	4.97	U				
1,1,2,2-Tetrachloroethane	U		4.47	U	0.45	U	0.45	U	8.93	U	0.45	U	8.93	U	0.45	U	8.93	U				
1,3,5-Trimethylbenzene	U		1.18	U	0.12	U	0.12	U	2.36	U	0.12	U	2.36	U	0.12	U	2.36	U				
1,2,4-Trimethylbenzene	J		1.77	U	0.74	J	1.08	J	3.53	U	0.59	J	3.53	U	1.37	J	3.53	U				
4-Ethyltoluene	J		0.74	U	0.07	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U				
1,3-Dichlorobenzene	U		1.32	U	0.13	U	0.13	U	2.65	U	0.13	U	2.65	U	0.13	U	2.65	U				
1,4-Dichlorobenzene	U		2.04	U	0.2	U	0.2	U	4.09	U	0.2	U	4.09	U	0.2	U	4.09	U				
1,2-Dichlorobenzene	U		2.53	U	0.25	U	0.25	U	5.05	U	0.25	U	5.05	U	0.25	U	5.05	U				
1,2,4-Trichlorobenzene	J		3.48	U	1.48	J	1.41	J	6.96	U	1.33	J	6.96	U	1.11	J	6.96	U				
Hexachloro-1,3-Butadiene	BU		4.48	U	2.46	BU	2.67	BU	8.97	U	2.13	BU	8.97	U	2.35	BU	8.97	U				
1,3-Butadiene	U		0.88	U	0.09	U	0.09	U	1.77	U	0.09	U	1.77	U	0.09	U	1.77	U				
Hexane	U		1.27	U	2.6		4.43		2.53	U	7.49		2.53	U	5.14		2.53	U				
Benzyl Chloride	U		1.44	U	0.14	U	0.14	U	2.88	U	0.14	U	2.88	U	0.14	U	2.88	U				

Total Confident Conc. VOC

549.28

92.56

342.1

297.6

355.45

303.88

572.34

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Air Volatile Organic Analyses**  
**Samples Collected April 26, 2007**  
**Samples Received April 27, 2007**  
**Sample Delivery Group: Y2414**  
**Laboratory Reference Numbers:**

152059-SV-SV66S	Y2414-01
152059-SV-SV66S DL	Y2414-01 DL
152059-SV-SV6D	Y2414-02
152059-SV-SV6D DL	Y2414-02 DL
152059-SV-SV11S	Y2414-03
152059-SV-SV11S DL	Y2414-03 DL
152059-SV-SV11D	Y2414-04
152059-SV-SV11D DL	Y2414-04 DL
152059-SV-SV12S	Y2414-05
152059-SV-SV12D	Y2414-06
152059-SV-SV5S	Y2414-07
152059-SV-SV5S DL	Y2414-07 DL
152059-SV-SV5D	Y2414-08
152059-SV-SV5D MS	Y2414-08 MS
152059-SV-SV5D MSD	Y2414-08 MSD
152059-SV-SV5D DL	Y2414-08 DL
152059-SV-SV10S	Y2414-09
152059-SV-SV10S DL	Y2414-09 DL
152059-SV-SV10D	Y2414-10
152059-SV-SV10D DL	Y2414-10 DL
152059-SV-SV4S	Y2414-11
152059-SV-SV4S DL	Y2414-11 DL
152059-SV-SV4D	Y2414-12
152059-SV-SV4D DL	Y2414-12 DL
152059-SV-SV9S	Y2414-13
152059-SV-SV9S DL	Y2414-13 DL
152059-SV-SV9D	Y2414-14
152059-SV-SV9D DL	Y2414-14 DL
152059-SV-SV15S	Y2414-15
152059-SV-SV15S DL	Y2414-15 DL
152059-SV-SV15D	Y2414-16
152059-SV-SV15D DL	Y2414-16 DL
152059-SV-SV18S	Y2414-17
152059-SV-SV18D	Y2414-18
152059-SV-SV18D DL	Y2414-18 DL
152059-SV-SV20S	Y2414-19
152059-SV-SV20S DL	Y2414-19 DL
152059-SV-SV20D	Y2414-20
152059-SV-SV20D DL	Y2414-20 DL

Air samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
- \* - Calibrations
  - Laboratory Blanks
  - Trip Blanks
  - Field Blanks
  - Storage Blank
  - Equipment Blank
  - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
  - Instrument Detection Limits
  - Laboratory Control Sample
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

#### **DATA VALIDATION SUMMARY**

A low concentration of hexachloro-1,3-butadiene (1.92 ug/M3 / 0.2 ppbv) was detected in the 5/2/ method blank associated with the analyses of samples -17, -19DL, -20DL, -19, -20, -08DL, -08, -09DL, -09, -10, -11, -12, -13DL, -13, -14DL, -14, -15DL, -15, -16DL, -16, -18DL, and -18. Low concentrations of this compound, less than 5x the concentration in the blank prior to dilution, were flagged with the "BU" qualifier. The laboratory is required to flag method blank contaminants were with "B" qualifier on the sample summary forms but this was not done.

The problems with the matrix spike and laboratory control samples should be noted. These are discussed in detail below.

Instrument detection limits were not found in this sample delivery group.

## Holding Times

All samples were analyzed within 30 days of collection.

## Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

## Surrogate Compound Recoveries

All surrogate compound recoveries were within the 65% - 135% quality assurance limits with the one exception of sample 152059-SV-SV10D (Y2414-10) with a 155% recovery.

Compounds that were detected in the sample were flagged with the "J" qualifier and are estimated values. Nondetects were not qualified since high recoveries do not affect undetected data.

This sample was reanalyzed at a dilution and all recoveries were within the required limits.

1-Bromo-4-fluorobenzene was the only surrogate.

## Calibrations

All of the percent RSDs and percent differences were within the required 30% limit in the initial calibration.

All RRF's were greater than 0.05.

## Matrix Spike and Matrix Spike Duplicate

Sample 152059-SV-SV5D (Y2414-08) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs that could be accurately calculated were within the required quality assurance limits with the following exceptions:.

Compound	MS %Rec.	MSD %Rec.	QC Limits	RPD	Limits
Vinyl Chloride		136%	65 - 135		35
Bromomethane	136%	136%	65 - 135		35
Chloroethane	136%		65 - 135		35
Propene	136%		65 - 135		35
1,1,2-Trichlorofluoroethane	136%	136%	65 - 135		35
Bromoethene	136%	152%	65 - 135		35
Acetone	144%	136%	65 - 135		35
1,3-Butadiene	208%	204%	65 - 135		35
1,1-Dichloroethene	136%	136%	65 - 135		35
trans-1,2-Dichloroethene	136%	136%	65 - 135		35
1,1-Dichloroethane	136%	136%	65 - 135		35
Methyl tert-butyl ether	140%	136%	65 - 135		35
1,1,1-Trichloroethane	148%	172%	65 - 135		35
Trichloroethene	141%	141%	65 - 135		35
t-1,3-Dichloropropene	136%	136%	65 - 135		35
cis-1,3-Dichloropropene	136%	136%	65 - 135		35
1,1,2-Trichloroethane	140%		65 - 135		35
Toluene		137%	65 - 135		35



1,2-Dibromoethane		152%	65 - 135	35
Ethyl benzene	142%	138%	65 - 135	35
m/p-Xylene	141%	137%	65 - 135	35
o-Xylene	141%	137%	65 - 135	35
Styrene	144%	148%	65 - 135	35
1,1,2,2-Tetrachloroethane	140%	140%	65 - 135	35
1,3,5-Trimethylbenzene	152%	152%	65 - 135	35
1,2,4-Trimethylbenzene	166%	166%	65 - 135	35
1,3-Dichlorobenzene	152%	152%	65 - 135	35
1,4-Dichlorobenzene	148%	152%	65 - 135	35
1,2-Dichlorobenzene	168%	168%	65 - 135	35
Hexachloro-1.3-butadiene	216%	220%	65 - 135	35
1,2,4-Trichlorobenzene	253%	257%	65 - 135	35

The data for these compounds were only flagged with the "J" qualifier if they were detected in a sample. Non detects were not qualified since high recoveries do not affect undetected data.

### Laboratory Control Sample

All BSL0430A2 LCS recoveries, associated with the analyses of samples -17, -19DL, -20DL, -19, -20, -08DL, -08, -09DL, -09, -10, -11, -12, -13DL, -13, -14DL, -14, -15DL, -15, -16DL, -16, -18DL and -18 were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
1,2,4-Trimethylbenzene	136%	65 - 135%
Hexachloro-1,3-Butadiene	152%	65 - 135%
1,2,4-Trichlorobenzene	158%	65 - 135%

All BSL0504A3 LCS recoveries, associated with the analyses of samples -11DL and -12DL were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
Isopropyl Alcohol	60%	65 - 135%
1,4-Dioxane	60%	65 - 135%
t-1,3-Dichloropropene	138%	65 - 135%
4-Methyl-2-Pentanone	62%	65 - 135%
2-Hexanone	56%	65 - 135%
Styrene	140%	65 - 135%
1,2,4-Trimethylbenzene	138%	65 - 135%

Compounds with recoveries above the 135% quality control limit were flagged with the "J" qualifier only if they were detected in a sample since high recoveries do not affect the undetected data.

None of the compounds with the low recoveries were quantitated from the dilutions and the low recoveries do not affect the use of the data.

### Method Blanks

A low concentration of hexachloro-1,3-butadiene (1.92 ug/M3 / 0.2 ppbv) was detected in the 5/2/ method blank associated with the analyses of samples -17, -19DL, -20DL, -19, -20, -08DL, -08, -09DL, -09, -10, -11, -12, -13DL, -13, -14DL, -14, -15DL, -15, -16DL, -16, -18DL, and -18.

Low concentrations of this compound, less than 5x the concentration in the blank prior to dilution, were flagged with the "BU" qualifier. The laboratory is required to flag method blank contaminants with "B" qualifier on the sample summary forms but this was not done.

No compounds were detected in the other two method blanks.

### **Trip Blank**

A trip blank was not analyzed with this sample delivery group.

### **Field Blank**

A field blank was not analyzed with this sample delivery group.

### **Internal Standard Areas and Retention Times**

The recoveries and retention times of all internal standards were within the required quality control limits (60% - 140%).

### **Instrument Detection limits**

Instrument detection limits were not found in this sample delivery group.

### **Sample Results**

No other problems were found with the reported results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Air Volatile Organic Analyses**

**Samples Collected April 26, 2007**

**Samples Received April 27, 2007**

**Sample Delivery Group: Y1614**

**Laboratory Reference Numbers:**

152059-SV-SV66S	Y2414-01
152059-SV-SV66S DL	Y2414-01 DL
152059-SV-SV6D	Y2414-02
152059-SV-SV6D DL	Y2414-02 DL
152059-SV-SV11S	Y2414-03
152059-SV-SV11S DL	Y2414-03 DL
152059-SV-SV11D	Y2414-04
152059-SV-SV11D DL	Y2414-04 DL
152059-SV-SV12S	Y2414-05
152059-SV-SV12D	Y2414-06
152059-SV-SV5S	Y2414-07
152059-SV-SV5S DL	Y2414-07 DL
152059-SV-SV5D	Y2414-08
152059-SV-SV5D MS	Y2414-08 MS
152059-SV-SV5D MSD	Y2414-08 MSD
152059-SV-SV5D DL	Y2414-08 DL
152059-SV-SV10S	Y2414-09
152059-SV-SV10S DL	Y2414-09 DL
152059-SV-SV10D	Y2414-10
152059-SV-SV10D DL	Y2414-10 DL
152059-SV-SV4S	Y2414-11
152059-SV-SV4S DL	Y2414-11 DL
152059-SV-SV4D	Y2414-12
152059-SV-SV4D DL	Y2414-12 DL
152059-SV-SV9S	Y2414-13
152059-SV-SV9S DL	Y2414-13 DL
152059-SV-SV9D	Y2414-14
152059-SV-SV9D DL	Y2414-14 DL
152059-SV-SV15S	Y2414-15
152059-SV-SV15S DL	Y2414-15 DL
152059-SV-SV15D	Y2414-16
152059-SV-SV15D DL	Y2414-16 DL
152059-SV-SV18S	Y2414-17
152059-SV-SV18D	Y2414-18
152059-SV-SV18D DL	Y2414-18 DL
152059-SV-SV20S	Y2414-19
152059-SV-SV20S DL	Y2414-19 DL
152059-SV-SV20D	Y2414-20
152059-SV-SV20D DL	Y2414-20 DL

**VOLATILE ORGANICS  
INITIAL CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL063004.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VL043006.D

Date: 4/30/2007

Page: 650

Associated Samples:

VBL0430A2, , -03, -03DL, -04, -04DL, -05, -06, -01DL, -01, -02DL, -02, -07DL, -07, VBL0430A3, VSL0430A2, -17, -19DL, -20DL, -19, -20, -08DL, -08, -09DL, -09, -10, -11, -12, -13DL, -13, -14DL, -14, -15DL, -15, -16DL, -16, -18DL, -18

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.010	
Benzene	<30		>0.050						

Surrogate Recovery	QC %RSD	STD %RSD	QC RRF	STD RRF
	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes

TCL Compounds %D between 30% and 60% (J - qualify) N/A

TCL Compounds %D between 60% and 90% (J - qualify) N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

**CALIBRATION VERIFICATION:**

Compound	Acetone				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPBV								
0.5	15,982	906,583	0.353	0.353	63,588	2,687,437	0.473	0.473
1	25,242	924,476	0.273	0.273	106,643	2,609,823	0.409	0.409
5	132,683	897,588	0.296	0.296	540,812	2,704,577	0.400	0.400
10	299,975	893,337	0.336	0.336	1,085,354	2,690,124	0.403	0.403
20	651,462	864,811	0.377	0.377	2,249,901	2,794,043	0.403	0.403
Average			0.327	0.327			0.418	0.418
			Calc Reported				Calc Reported	
%RSD			12.89%	12.89%			7.49%	7.49%



**VOLATILE ORGANICS  
CONTINUING CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL050102.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VL043006.D

Date: 5/1/2007

Page: 592

Initial Calibration File ID: VL043006.D

Date: 4/30/2007

Page: 650

Associated Samples: VBL0430A2, , -03, -03DL, -04, -04DL, -05, -06, -01DL, -01, -02DL, -02, -07DL, -07

**COMPOUND LIST**

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.050	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.050	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.050	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.050	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.050	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.050	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.050	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.050	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.050	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.050	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.050	
Benzene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogate:				
1-Bromo-4-Fluorobenzene	<30%		>0.050	
All TCL Compounds Average RRF > 0.050:			Yes	
All TCL Compounds %D < QC Limit:			Yes	
TCL Compounds %D between 30% and 50% (J - qualify)				N/A
TCL Compounds %D between 50% and 90% (J - qualify)				N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected)				N/A

**CALIBRATION VERIFICATION:**

Compound	Area x	Area IS	calc rrf	Rprtd rrf	Styrene	Area x	Area IS	calc rrf	Rprtd rrf
t-1,3-Dichloropropene									
PPB									
5	618,739	2,079,294	0.595	0.595		846,882	1,767,159	0.958	0.958
% D		Avg RRF	% D	% D		Avg RRF	% D	% D	
		0.475	Calc	Reported		0.821	Calc	Reported	
			25.29	25.30			16.74	16.70	

**VOLATILE ORGANICS  
CONTINUING CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL050208.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VL050209.D

Date: 5/2/2007

Page: 697

Initial Calibration File ID: VL043006.D

Date: 4/30/2007

Page: 650

Associated Samples: VBL0430A3, VSL0430A2, -17, -19DL, -20DL, -19, -20, -08DL,  
-08, -09DL, -09, -10, -11, -12, -13DL, -13, -14DL, -14,  
-15DL, -15, -16DL, -16, -18DL, -18

**COMPOUND LIST**

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.050	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.050	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.050	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.050	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.050	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.050	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.050	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.050	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.050	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.050	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.050	
Benzene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogate:				
1-Bromo-4-Fluorobenzene	<30%		>0.050	
All TCL Compounds Average RRF > 0.050:			Yes	
All TCL Compounds %D < QC Limit:			Yes	
TCL Compounds %D between 30% and 50% (J - qualify)				N/A
TCL Compounds %D between 50% and 90% (J - qualify)				N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected)				N/A

**CALIBRATION VERIFICATION:**

Compound Hexane

PPB	Area x	Area IS	calc rrf	Rprt'd rrf
5	767,060	948,897	1.617	1.617
% D		Avg RRF	% D	% D
		1.405	Calc	Reported
			15.07	15.10

Toluene

Area x	Area IS	calc rrf	Rprt'd rrf
1,932,288	2,964,074	1.304	1.304
	Avg RRF	% D	% D
	1.045	Calc	Reported
		24.77	24.80

Data Validation Soil Vapor Table 2  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV6S	152059-SV-SV6SDL	152059-SV-SV6D	152059-SV-SV6DDL	152059-SV-SV11S	152059-SV-SV11SDL	152059-SV-SV11D	152059-SV-SV11DDL	152059-SV-SV12S						
Lab Sample Number	Y2414-01	Y2414-01DL	Y2414-02	Y2414-02DL	Y2414-03	Y2414-03DL	Y2414-04	Y2414-04DL	Y2414-05						
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07						
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR						
Dilution Factor	1.0	20.0	1.0	20.0	1.0	10.0	1.0	10.0	1.0						
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3						
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV		
Dichlorodifluoromethane	75-71-8	3.02		3.56	U	2.97		3.56	U	2.72		1.78	U	2.62	
Chloromethane	74-87-3	0.55		1.47	U	0.07	U	1.47	U	0.07	U	0.74	U	0.07	U
Vinyl Chloride	75-01-4	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	0.77	U	0.08	U
Bromomethane	74-83-9	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	1.32	U	0.13	U
Chloroethane	75-00-3	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	1.01	U	0.1	U
Trichlorofluoromethane	75-69-4	4.43		3.14	U	3.92		3.14	U	2.8		1.57	U	3.81	
Isopropyl Alcohol	67-63-0	2.5		0.59	U	3.66		0.59	U	2.26		0.29	U	3.31	
Dichlorotetrafluoroethane	76-14-2	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	2.17	U	0.22	U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.84	J	3.82	U	0.84	J	3.82	U	0.84	J	1.91	U	0.76	J
Bromoethene	593-60-2	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	1.14	U	0.11	U
Propene	115-07-1	13.1	J	21.6	D	14.5	J	23	D	2.73	J	0.88	U	0.09	U
Heptane	142-82-5	0.65	J	3.27	U	1.23	J	3.27	U	0.53	J	1.64	U	0.16	U
1,1-Dichloroethene	75-35-4	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	1.23	U	0.12	U
Ethyl Acetate	141-78-6	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	0.79	U	4.25	
Acetone	67-64-1	29.5	J	31.3	D	37	J	40.8	D	87.2	E	68.3	D	27.3	J
Carbon Disulfide	75-15-0	0.68		1.49	U	0.99		1.49	U	0.07	U	0.75	U	0.5	
Methyl tert-Butyl Ether	1634-04-4	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	0.86	U	0.09	U
Methylene Chloride	75-09-2	11.9		27.1	D	3.72		1.04	U	2.12		12.9	D	1.88	
Allyl Chloride	107-05-1	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	0.76	U	0.08	U
trans-1,2-Dichloroethene	156-60-5	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	1.35	U	0.13	U
Vinyl Acetate	108-05-4	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	1.41	U	0.14	U
1,1-Dichloroethane	75-34-3	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	1.38	U	0.14	U
Cyclohexane	110-82-7	0.1	U	2.08	U	0.1	U	2.08	U	0.1	U	1.04	U	0.1	U
2-Butanone	78-93-3	5.18		2.77	U	13.1		12.4	D	9.31		8.25	D	5.09	
Carbon Tetrachloride	56-23-5	0.19	U	3.78	U	0.19	U	3.78	U	0.19	U	1.89	U	0.19	U
cis-1,2-Dichloroethene	156-59-2	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	1.35	U	0.13	U
Chloroform	67-66-3	0.12	U	2.34	U	0.12	U	2.34	U	4.67		1.17	U	1.9	
1,4-Dioxane	123-91-1	1.01		3.96	U	0.19	U	3.96	U	0.19	U	1.94	U	0.19	U
1,1,1-Trichloroethane	71-55-6	20.6		26.1	D	18.2		21.8	D	7.07		7.07	D	9.08	
Tetrahydrofuran	109-99-9	0.17	U	3.53	U	0.62		3.53	U	0.17	U	1.74	U	0.17	U
2,2,4-Trimethylpentane	540-84-1	0.14	U	2.89	U	0.14	U	2.89	U	0.14	U	1.45	U	0.14	U
Benzene	71-43-2	0.99		1.6	U	1.28		1.6	U	1.02		0.8	U	0.64	
1,2-Dichloroethane	107-06-2	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	1.21	U	0.12	U
Trichloroethene	79-01-6	6.48		3.86	U	9.7		10.7	JD	0.19		1.93	U	0.75	
1,2-Dichloropropane	78-87-5	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	2.26	U	0.23	U
Bromodichloromethane	75-27-4	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	2.68	U	0.27	U
4-Methyl-2-Pentanone	108-10-1	4.09		2.13	U	9.24		2.13	U	11.9		1.06	U	2.33	
Toluene	108-88-3	8.54	J	7.53	JD	11.3	J	9.03	D	17.3	J	10.2	D	3.95	J
t-1,3-Dichloropropene	10061-02-6	0.11	U	2.27	U	0.11	U	2.27	U	0.11	U	1.13	U	0.11	U
cis-1,3-Dichloropropene	10061-01-5	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	1.41	U	0.14	U
1,1,2-Trichloroethane	79-00-5	0.29	U	5.98	U	0.29	U	5.98	U	0.29	U	2.94	U	0.29	U
2-Hexanone	591-78-6	0.09	U	1.8	U	0.09	U	1.8	U	0.09	U	0.9	U	0.09	U
Dibromochloromethane	124-48-1	0.32	U	6.47	U	0.32	U	6.47	U	0.32	U	3.23	U	0.32	U
1,2-Dibromoethane	106-93-4	0.26	U	5.23	U	0.26	U	5.23	U	0.26	U	2.61	U	0.26	U
Tetrachloroethene	127-18-4	689	E	688	D	686	E	585	D	81.1		67.2	D	147	E
Chlorobenzene	108-90-7	0.31	U	6.01	U	0.31	U	6.01	U	0.31	U	3.05	U	0.31	U
Ethyl Benzene	100-41-4	1.13	J	3.12	U	1.04	J	3.12	U	1.04	J	1.56	U	0.43	J
m/p-Xylene	126777-61-2	4.6	J	5.64	U	3.69	J	5.64	U	3.9	J	2.77	U	1.47	J
o-Xylene	95-47-6	1.43	J	3.47	U	1.34	J	3.47	U	1.91	J	1.73	U	0.65	J
Styrene	100-42-5	0.19	U	3.74	U	0.19	U	3.74	U	34.2	J	12.8	D	1.4	J
Bromoform	75-25-2	0.25	U	4.97	U	0.25	U	4.97	U	0.25	U	2.48	U	0.25	U
1,1,2,2-Tetrachloroethane	79-34-5	0.45	U	8.93	U	0.45	U	8.93	U	0.45	U	4.47	U	0.45	U
1,3,5-Trimethylbenzene	108-67-8	0.83	J	2.36	U	0.74	J	2.36	U	0.79	J	1.18	U	0.12	U
1,2,4-Trimethylbenzene	95-63-6	2.99	J	3.53	U	3.34	J	3.53	U	2.7	J	1.77	U	1.62	J
4-Ethyltoluene	622-96-8	0.59		1.47	U	0.64		1.47	U	0.07	U	0.74	U	0.49	J
1,3-Dichlorobenzene	541-73-1	0.13	U	2.65	U	0.13	U	2.65	U	0.13	U	1.32	U	0.13	U
1,4-Dichlorobenzene	106-46-7	0.66	J	4.09	U	0.96	J	4.09	U	0.84	J	2.04	U	0.6	J
1,2-Dichlorobenzene	95-50-1	0.25	U	5.05	U	0.25	U	5.05	U	0.25	U	2.53	U	0.25	U
1,2,4-Trichlorobenzene	120-82-1	0.89	J	6.96	U	1.18	J	6.96	U	0.96	J	3.48	U	0.96	J
Hexachloro-1,3-Butadiene	87-68-3	1.71	BU	8.97	U	1.81	BU	8.97	U	1.81	BU	4.48	U	2.03	BU
1,3-Butadiene	106-99-0	0.09	U	1.77	U	0.09	U	1.77	U	0.09	U	0.88	U	0.09	U
Hexane	110-54-3	3.83		2.53	U	3.13		2.53	U	0.13	U	1.27	U	0.13	U
Benzyl Chloride	100-44-7	0.14	U	2.88	U	0.14	U	2.88	U	0.14	U	1.44	U	0.14	U

Total Confident Conc. VOC

821.72

801.63

836.14

702.73

281.72

186.72

216.69

152.85

185.06

Data Validation Soil Vapor Table 2  
 Spectrum Finishing Corporation - Site No. 152059  
 Babylon, New York

Sample ID	152059-SV-SV12D	152059-SV-SV5S	152059-SV-SV5SDL	152059-SV-SV5D	152059-SV-SV5DDL	152059-SV-SV10S	152059-SV-SV10SDL	152059-SV-SV10D	152059-SV-SV10DDL	152059-SV-SV4S		
Lab Sample Number	Y2414-06	Y2414-07	Y2414-07DL	Y2414-08	Y2414-08DL	Y2414-09	Y2414-09DL	Y2414-10	Y2414-10DL	Y2414-11		
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07		
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR		
Dilution Factor	1.0	1.0	20.0	5.0	20.0	2.0	20.0	5.0	20.0	5.0		
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3		
COMPOUND	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Dichlorodifluoromethane	2.97		4.95		3.56	U	7.18		10.9	D	4.36	
Chloromethane	0.07	U	0.07	U	1.47	U	0.37	U	1.47	U	0.15	U
Vinyl Chloride	0.08	U	0.08	U	1.53	U	0.38	U	1.53	U	0.15	U
Bromomethane	0.13	U	0.13	U	2.64	U	0.66	U	2.64	U	0.26	U
Chloroethane	0.1	U	0.1	U	2.02	U	0.51	U	2.02	U	0.2	U
Trichlorofluoromethane	2.97		11.9		14.6	D	15.4		21.3	D	12.9	
Isopropyl Alcohol	0.03	U	0.03	U	0.59	U	0.15	U	0.59	U	0.06	U
Dichlorotetrafluoroethane	0.22	U	0.22	U	4.34	U	1.12	U	4.34	U	0.43	U
1,1,2-Trichlorotrifluoroethane	0.99	J	0.84	J	3.82	U	0.92	U	3.82	U	0.38	U
Bromoethene	0.11	U	0.11	U	2.28	U	0.57	U	2.28	U	0.23	U
Propene	10.4	J	13.6	J	21.6	D	46	J	62.5	D	23.2	J
Heptane	1.15	J	0.98	J	3.27	U	2.25	J	3.27	U	2.21	J
1,1-Dichloroethene	0.12	U	0.12	U	2.46	U	0.63	U	2.46	U	1.75	
Ethyl Acetate	0.08	U	0.08	U	1.58	U	0.4	U	1.58	U	0.16	U
Acetone	39.8	J	29.7	J	35.1	D	68.1	J	87.8	D	39.6	J
Carbon Disulfide	0.07	U	0.07	U	1.49	U	2.8		1.49	U	1.55	
Methyl tert-Butyl Ether	0.09	U	21.3		23	D	47.5		53.3	D	0.17	U
Methylene Chloride	13.5		0.76		1.04	U	4.52		1.04	U	5.08	
Allyl Chloride	0.08	U	0.08	U	1.51	U	0.38	U	1.51	U	0.15	U
trans-1,2-Dichloroethene	0.13	U	0.13	U	2.7	U	0.67	U	2.7	U	0.27	U
Vinyl Acetate	0.14	U	0.14	U	2.81	U	0.7	U	2.81	U	0.28	U
1,1-Dichloroethane	0.14	U	0.14	U	2.75	U	0.69	U	2.75	U	17	
Cyclohexane	0.1	U	0.1	U	2.08	U	0.54	U	2.08	U	0.21	U
2-Butanone	19.5		18.1		18.8	D	37.4		40	D	18.7	
Carbon Tetrachloride	0.19	U	0.19	U	3.78	U	0.94	U	3.78	U	0.38	U
cis-1,2-Dichloroethene	0.13	U	0.13	U	2.7	U	0.67	U	2.7	U	1.35	J
Chloroform	0.12	U	0.12	U	2.34	U	0.58	U	2.34	U	0.97	J
1,4-Dioxane	0.19	U	0.19	U	3.96	U	0.97	U	3.96	U	0.4	U
1,1,1-Trichloroethane	0.65		208	E	239	D	243		292	D	649	E
Tetrahydrofuran	0.17	U	0.17	U	3.53	U	0.88	U	3.53	U	0.35	U
2,2,4-Trimethylpentane	0.14	U	0.14	U	2.89	U	0.75	U	2.89	U	0.29	U
Benzene	2.74		1.79		1.6	U	6.7		8.93	D	2.36	
1,2-Dichloroethane	0.12	U	0.12	U	2.43	U	0.61	U	2.43	U	0.24	U
Trichloroethene	0.19	U	11.3		12.9	D	20.6		23.6	D	108	
1,2-Dichloropropane	0.23	U	0.23	U	4.53	U	1.11	U	4.53	U	0.45	U
Bromodichloromethane	0.27	U	0.27	U	5.37	U	1.34	U	5.37	U	0.54	U
4-Methyl-2-Pentanone	53.1		8.75		2.13	U	13.5		2.13	U	10.6	
Toluene	63	J	9.67	J	8.28	D	18.1	J	18.8	D	15.1	J
t-1,3-Dichloropropene	0.11	U	0.11	U	2.27	U	0.54	U	2.27	U	0.23	U
cis-1,3-Dichloropropene	0.14	U	0.14	U	2.81	U	0.73	U	2.81	U	0.28	U
1,1,2-Trichloroethane	0.29	U	0.29	U	5.98	U	1.47	U	5.98	U	0.6	U
2-Hexanone	1.47		0.09		1.8	U	0.45	U	1.8	U	0.18	U
Dibromochloromethane	0.32	U	0.32	U	6.47	U	1.62	U	6.47	U	0.65	U
1,2-Dibromoethane	0.26	U	0.26	U	5.23	U	1.31	U	5.23	U	0.52	U
Tetrachloroethene	15.3		1587	E	1302	D	2042	E	2038	D	1817	E
Chlorobenzene	0.31	U	0.31	U	6.01	U	1.53	U	6.01	U	0.6	U
Ethyl Benzene	0.87	J	1.13	J	3.12	U	2.6	J	3.12	U	2.95	J
m/p-Xylene	2.21	J	3.29	J	5.64	U	6.94	J	5.64	U	6.16	J
o-Xylene	1	J	1.34	J	3.47	U	3.25	J	3.47	U	2.6	J
Styrene	0.55	J	0.51	J	3.74	U	0.94	U	3.74	U	0.37	U
Bromoform	0.25	U	0.25	U	4.97	U	1.24	U	4.97	U	0.5	U
1,1,2,2-Tetrachloroethane	0.45	U	0.45	U	8.93	U	2.2	U	8.93	U	0.89	U
1,3,5-Trimethylbenzene	0.64	J	1.08	J	2.36	U	0.59	U	2.36	U	4.32	J
1,2,4-Trimethylbenzene	2.21	J	4.07	J	3.53	U	7.61	J	3.53	U	8.05	J
4-Ethyltoluene	0.59		0.83		1.47	U	0.37	U	1.47	U	1.87	
1,3-Dichlorobenzene	0.13	U	0.13	U	2.65	U	0.66	U	2.65	U	0.26	U
1,4-Dichlorobenzene	0.2	U	0.2	U	4.09	U	1.02	U	4.09	U	0.41	U
1,2-Dichlorobenzene	0.25	U	0.25	U	5.05	U	1.26	U	5.05	U	0.51	U
1,2,4-Trichlorobenzene	1.18	J	1.04	J	6.96	U	5.18	J	6.96	U	2.81	J
Hexachloro-1,3-Butadiene	1.92	BU	2.13	BU	8.97	U	9.07	BU	8.97	U	5.12	BU
1,3-Butadiene	0.09	J	0.09	J	1.77	U	0.44	U	1.77	U	0.18	U
Hexane	6.93		0.13		2.53	U	5.63		2.53	U	0.25	U
Benzyl Chloride	0.14	U	0.14	U	2.88	U	0.69	U	2.88	U	0.29	U

Total Confident Conc. VOC 245.64 522.4 1675.28 2615.33 2657.13 2764.61 2835.4 2596.88 2972.46 3546.45



Data Validation Soil Vapor Table 2  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV4SDL	152059-SV-SV4D	152059-SV-SV4DDL	152059-SV-SV9S	152059-SV-SV9SDL	152059-SV-SV9D	152059-SV-SV9DDL	152059-SV-SV15S	152059-SV-SV15SDL	152059-SV-SV15D
Lab Sample Number	Y2414-11DL	Y2414-12	Y2414-12DL	Y2414-13	Y2414-13DL	Y2414-14	Y2414-14DL	Y2414-15	Y2414-15DL	Y2414-16
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
Dilution Factor	62.0	5.0	64.0	2.0	20.0	2.0	20.0	1.0	10.0	1.0
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3

COMPOUND	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV			
Dichlorodifluoromethane		10.89	U	8.17		11.38	U	22.6		30.7	D	19.8		29.7	D	3.27	U	1.78	U	3.37
Chloromethane		4.5	U	0.37	U	4.7	U	0.15	U	1.47	U	0.15	U	1.47	U	0.07	U	0.74	U	0.07
Vinyl Chloride		4.86	U	0.38	U	4.86	U	0.15	U	1.53	U	0.15	U	1.53	U	0.08	U	0.77	U	0.08
Bromomethane		8.16	U	0.66	U	8.55	U	0.26	U	2.64	U	0.26	U	2.64	U	0.13	U	1.32	U	0.13
Chloroethane		6.38	U	0.51	U	6.38	U	0.2	U	2.02	U	0.2	U	2.02	U	0.1	U	1.01	U	0.1
Trichlorofluoromethane		9.53	U	11.2		10.09	U	68.8		89.7	D	60.3		81.8	D	2.86		1.57	U	3.25
Isopropyl Alcohol		1.82	U	0.15	U	1.89	U	0.06	U	0.59	U	0.06	U	0.59	U	3.34		0.29	U	0.03
Dichlorotetrafluoroethane		13.29	U	1.12	U	13.99	U	0.43	U	4.34	U	0.43	U	4.34	U	0.22	U	2.17	U	0.22
1,1,2-Trichlorotrifluoroethane		12.24	U	0.92	U	12.24	U	0.38	U	3.82	U	1.68	J	3.82	U	1.38	J	1.91	U	1.07
Bromoethene		7	U	0.57	U	7.44	U	0.23	U	2.28	U	0.23	U	2.28	U	0.11	U	1.14	U	0.11
Propene	J	55.4	D	59.4	J	68.2	D	25.8	J	40.9	D	30.8	J	48.4	D	12.7	J	19.1	D	26.7
Heptane	J	10.22	U	3.48	J	10.63	U	2.45	J	3.27	U	3.84	J	3.27	U	1.64	J	1.64	U	3.56
1,1-Dichloroethene		7.54	U	0.63	U	7.93	U	6.03		7.93	JD	5.47		8.73	D	0.12	U	1.23	U	0.12
Ethyl Acetate		5.04	U	0.4	U	5.04	U	0.16	U	1.58	U	0.16	U	1.58	U	5.76		0.79	U	0.08
Acetone	J	48.5	D	105	J	77.4	D	42.7	J	54.1	D	81.2	J	93	D	42.2	J	45.3	D	58
Carbon Disulfide		4.66	U	5.91		4.66	U	0.15	U	1.49	U	3.42		1.49	U	0.07	U	0.75	U	0.07
Methyl tert-Butyl Ether		5.4	U	0.43	U	5.4	U	0.17	U	1.73	U	1.15		1.73	U	0.09	U	0.86	U	0.09
Methylene Chloride		3.23	U	19.5		3.34	U	2.99		1.04	U	3.62		1.04	U	2.19		0.52	U	1.56
Allyl Chloride		4.72	U	0.38	U	4.72	U	0.15	U	1.51	U	0.15	U	1.51	U	0.08	U	0.76	U	0.08
trans-1,2-Dichloroethene		8.33	U	0.67	U	8.73	U	0.27	U	2.7	U	0.27	U	2.7	U	0.13	U	1.35	U	0.13
Vinyl Acetate		8.79	U	0.7	U	9.15	U	0.28	U	2.81	U	0.28	U	2.81	U	0.14	U	1.41	U	0.14
1,1-Dichloroethane		25.1	JD	24.1		25.9	JD	52.4		66.4	D	23		29.2	D	0.14	U	1.38	U	0.14
Cyclohexane		6.37	U	0.54	U	6.71	U	0.21	U	2.08	U	0.21	U	2.08	U	0.1	U	1.04	U	0.1
2-Butanone		8.54	U	40.5		8.83	U	22		24.1	D	23.8		22.4	D	13.6		12.1	D	17.2
Carbon Tetrachloride		11.97	U	0.94	U	11.97	U	0.38	U	3.78	U	0.38	U	3.78	U	0.19	U	1.89	U	0.19
cis-1,2-Dichloroethene		8.33	U	0.67	U	8.73	U	0.27	U	2.7	U	0.27	U	2.7	U	0.13	U	1.35	U	0.13
Chloroform		7.3	U	2.68		7.3	U	4.67		2.34	U	5.26		2.34	U	1.36		1.17	U	1.46
1,4-Dioxane		11.88	U	0.97	U	12.6	U	0.4	U	3.96	U	0.4	U	3.96	U	0.19	U	1.94	U	0.19
1,1,1-Trichloroethane		229	D	153		157	D	1024	E	1459	D	767	E	972	D	19.4		21.8	D	16.6
Tetrahydrofuran		10.9	U	0.88	U	11.19	U	0.35	U	3.53	U	0.35	U	3.53	U	0.17	U	1.74	U	0.17
2,2,4-Trimethylpentane		8.86	U	0.75	U	9.33	U	0.29	U	2.89	U	0.29	U	2.89	U	0.14	U	1.45	U	0.14
Benzene		5.1	U	7.66		5.1	U	3		1.6	U	4.98		7.66	D	3.54		3.83	D	5.55
1,2-Dichloroethane		7.69	U	0.61	U	7.69	U	0.24	U	2.43	U	0.24	U	2.43	U	0.12	U	1.21	U	0.12
Trichloroethene		11.79	U	3.48		12.32	U	159		186	D	87.2		109	D	1.77		1.93	U	2.73
1,2-Dichloropropane		13.87	U	1.11	U	14.33	U	0.45	U	4.53	U	0.45	U	4.53	U	0.23	U	2.26	U	0.23
Bromodichloromethane		16.77	U	1.34	U	17.44	U	0.54	U	5.37	U	0.54	U	5.37	U	0.27	U	2.68	U	0.27
4-Methyl-2-Pentanone		6.54	U	130		6.95	U	78.8		70.3	D	47.8		39.3	D	71.8		56.9	D	61.4
Toluene	J	10.16	U	131	J	50.6	D	8.96	J	9.03	D	43.9	J	39.9	D	66	J	57.2	D	59.9
t-1,3-Dichloropropene		7.26	U	0.54	U	7.26	U	0.23	U	2.27	U	0.23	U	2.27	U	0.11	U	1.13	U	0.11
cis-1,3-Dichloropropene		8.63	U	0.73	U	9.08	U	0.28	U	2.81	U	0.28	U	2.81	U	0.14	U	1.41	U	0.14
1,1,2-Trichloroethane		17.95	U	1.47	U	19.04	U	0.6	U	5.98	U	0.6	U	5.98	U	0.29	U	2.94	U	0.29
2-Hexanone		5.73	U	0.45	U	5.73	U	0.18	U	1.8	U	0.18	U	1.8	U	0.9		0.9	U	0.09
Dibromochloromethane		20.42	U	1.62	U	20.42	U	0.65	U	6.47	U	0.65	U	6.47	U	0.32	U	3.23	U	0.32
1,2-Dibromoethane		16.15	U	1.31	U	16.92	U	0.52	U	5.23	U	0.52	U	5.23	U	0.26	U	2.61	U	0.26
Tetrachloroethene		3006	D	3672	E	2594	D	652	E	674	D	318	E	372	D	342	E	321	D	336
Chlorobenzene		18.95	U	1.53	U	19.41	U	0.6	U	6.01	U	0.6	U	6.01	U	0.31	U	3.05	U	0.31
Ethyl Benzene	J	9.54	U	2.17	J	9.97	U	3.03	J	3.12	U	3.29	J	3.12	U	1.21	J	1.56	U	1.99
m/p-Xylene	J	17.34	U	4.77	J	17.78	U	12.1	J	5.64	U	9.1	J	5.64	U	2.12	J	2.77	U	3.38
o-Xylene	J	10.84	U	2.82	J	11.27	U	7.54	J	3.47	U	4.94	J	3.47	U	0.95	J	1.73	U	1.73
Styrene	J	11.48	U	4.68	J	11.91	U	0.94	J	3.74	U	1.79	J	3.74	U	0.89	J	1.87	U	1.11
Bromoform		15.52	U	1.24	U	15.52	U	0.5	U	4.97	U	0.5	U	4.97	U	0.25	U	2.48	U	0.25
1,1,2,2-Tetrachloroethane		27.48	U	2.2	U	28.86	U	0.89	U	8.93	U	0.89	U	8.93	U	0.45	U	4.47	U	0.45
1,3,5-Trimethylbenzene		7.36	U	9.08	J	7.36	U	13.3	J	2.36	U	3.53	J	2.36	U	0.12	U	1.18	U	0.12
1,2,4-Trimethylbenzene	J	10.8	U	14.5	J	11.29	U	35.4	J	24.5	D	10.5	J	3.53	U	1.37	J	1.77	U	1.37
4-Ethyltoluene		4.56	U	4.17		4.71	U	5.89		1.47	U	1.87		1.47	U	0.07	U	0.74	U	0.49
1,3-Dichlorobenzene		8.42	U	0.66	U	8.42	U	0.26	U	2.65	U	0.26	U	2.65	U	0.13	U	1.32	U	0.13
1,4-Dichlorobenzene		12.63	U	1.02	U	13.23	U	0.41	U	4.09	U	0.41	U	4.09	U	0.2	U	2.04	U	0.2
1,2-Dichlorobenzene		15.63	U	1.26	U	16.23	U	0.51	U	5.05	U	0.51	U	5.05	U	0.25	U	2.53	U	0.25
1,2,4-Trichlorobenzene	J	21.47	U	5.55	J	22.21	U	3.26	J	6.96	U	2.52	J	6.96	U	1.41	J	3.48	U	1.33
Hexachloro-1,3-Butadiene	BU	27.75	U	11.2	BU	28.82	U	4.7	BU	8.97	U	4.91	BU	8.97	U	2.46	BU	4.48	U	2.56
1,3-Butadiene		5.52	U	0.44	U	5.74	U	0.18	U	1.77	U	0.18	U	1.77	U	0.09	U	0.88	U	0.09
Hexane		7.74	U	11.3		8.09	U	4.01		2.53	U	4.99		2.53	U	4.26		1.27	U	5.94
Benzyl Chloride		9.23	U	0.69	U	9.23	U	0.29	U	2.88	U	0.29	U	2.88	U	0.14	U	1.44	U	0.14

Total Confident Conc. VOC 3364 4447.32 2973.1 2266.37 2736.66 1579.66 1853.09 610.38 537.23 618.25

Data Validation Soil Vapor Table 2  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	152059-SV-SV15DDL	152059-SV-SV18S	152059-SV-SV18D	152059-SV-SV18DDL	152059-SV-SV20S	152059-SV-SV20SDL	152059-SV-SV20D	152059-SV-SV20DDL														
Lab Sample Number	Y2414-16DL	Y2414-17	Y2414-18	Y2414-18DL	Y2414-19	Y2414-19DL	Y2414-20	Y2414-20DL														
Sampling Date	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07	04/26/07														
Matrix	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR														
Dilution Factor	10.0	1.0	1.0	20.0	1.0	20.0	1.0	20.0														
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3														
COMPOUND	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV								
Dichlorodifluoromethane			1.78	U	4.16		2.92		3.56	U	5.3		3.56	U	7.37		3.56	U				
Chloromethane	U		0.74	U	0.07	U	1.76		1.47	U	0.07	U	1.47	U	0.07	U	1.47	U				
Vinyl Chloride	U		0.77	U	0.08	U	0.08	U	1.53	U	0.08	U	1.53	U	0.08	U	1.53	U				
Bromomethane	U		1.32	U	0.13	U	0.13	U	2.64	U	0.13	U	2.64	U	0.13	U	2.64	U				
Chloroethane	U		1.01	U	0.1	U	0.1	U	2.02	U	0.1	U	2.02	U	0.1	U	2.02	U				
Trichlorofluoromethane	U		1.57	U	4.93		2.02		3.14	U	5.55		3.14	U	6.22		3.14	U				
Isopropyl Alcohol	U		0.29	U	0.03	U	0.79		0.59	U	0.03	U	0.59	U	0.03	U	0.59	U				
Dichlorotetrafluoroethane	U		2.17	U	0.22	U	0.22	U	4.34	U	0.22	U	4.34	U	0.22	U	4.34	U				
1,1,2-Trichlorotrifluoroethane	J		1.91	U	1.15	J	0.84	J	3.82	U	1.45	J	3.82	U	1.22	J	3.82	U				
Bromoethene	U		1.14	U	0.11	U	0.11	U	2.28	U	0.11	U	2.28	U	0.11	U	2.28	U				
Propene	J		42.8	D	5.5	J	4.26	J	1.72	U	0.09	U	1.72	U	23.6	J	44	D				
Heptane	J		1.64	U	0.65	J	0.78	J	3.27	U	1.23	J	3.27	U	2.54	J	3.27	U				
1,1-Dichloroethene	U		1.23	U	0.12	U	0.12	U	2.46	U	0.12	U	2.46	U	0.12	U	2.46	U				
Ethyl Acetate	U		0.79	U	0.08	U	0.08	U	1.58	U	0.08	U	1.58	U	0.08	U	1.58	U				
Acetone	E	J	60.3	D	J	22.7	E	J	276	D	J	20.4	E	J	28.9	D	51.2	E	J	55	D	J
Carbon Disulfide	U		0.75	U	0.07	U	0.07	U	1.49	U	0.07	U	1.49	U	0.07	U	1.49	U				
Methyl tert-Butyl Ether	U		0.86	U	0.09	U	0.09	U	1.73	U	0.09	U	1.73	U	0.09	U	1.73	U				
Methylene Chloride	U		0.52	U	3.65		12.9		21.6	D	2.12		16	D	2.22		15.3	D				
Allyl Chloride	U		0.76	U	0.08	U	0.08	U	1.51	U	0.08	U	1.51	U	0.08	U	1.51	U				
trans-1,2-Dichloroethene	U		1.35	U	0.13	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U				
Vinyl Acetate	U		1.41	U	0.14	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U				
1,1-Dichloroethane	U		1.38	U	0.14	U	0.14	U	2.75	U	0.14	U	2.75	U	0.14	U	2.75	U				
Cyclohexane	U		1.04	U	0.1	U	0.1	U	2.08	U	0.1	U	2.08	U	0.1	U	2.08	U				
2-Butanone	U		15.3	D	6.1		6.39		2.77	U	7.01		2.77	U	15.5		17.7	D				
Carbon Tetrachloride	U		1.89	U	0.19	U	0.69		3.78	U	0.19	U	3.78	U	0.19	U	3.78	U				
cis-1,2-Dichloroethene	U		1.35	U	0.13	U	0.13	U	2.7	U	0.13	U	2.7	U	0.13	U	2.7	U				
Chloroform	U		1.17	U	0.12	U	0.12	U	2.34	U	0.58		2.34	U	0.63		2.34	U				
1,4-Dioxane	U		1.94	U	0.19	U	0.19	U	3.96	U	0.19	U	3.96	U	0.19	U	3.96	U				
1,1,1-Trichloroethane	U		19	D	0.92		1.31		2.39	U	12		15.2	D	21.5		26.1	D				
Tetrahydrofuran	U		1.74	U	0.17	U	0.17	U	3.53	U	0.17	U	3.53	U	0.17	U	3.53	U				
2,2,4-Trimethylpentane	U		1.45	U	0.14	U	0.14	U	2.89	U	1.54		2.89	U	0.14	U	2.89	U				
Benzene	U		6.38	D	1.4		0.99		1.6	U	2.33		1.6	U	3.92		1.6	U				
1,2-Dichloroethane	U		1.21	U	0.12	U	0.12	U	2.43	U	0.12	U	2.43	U	0.12	U	2.43	U				
Trichloroethene	U		1.93	U	0.19	U	0.19	U	3.86	U	0.59		3.86	U	1.34		3.86	U				
1,2-Dichloropropane	U		2.26	U	0.23	U	0.23	U	4.53	U	0.23	U	4.53	U	0.23	U	4.53	U				
Bromodichloromethane	U		2.68	U	0.27	U	0.27	U	5.37	U	0.27	U	5.37	U	0.27	U	5.37	U				
4-Methyl-2-Pentanone	U		47	D	6.46		3.64		2.13	U	10.2		2.13	U	10.2		2.13	U				
Toluene	J		59.5	D	10.4	J	7.53	J	3.31	U	11.7	J	9.78	D	13.5	J	11.3	D				
t-1,3-Dichloropropene	U		1.13	U	0.11	U	0.11	U	2.27	U	0.11	U	2.27	U	0.11	U	2.27	U				
cis-1,3-Dichloropropene	U		1.41	U	0.14	U	0.14	U	2.81	U	0.14	U	2.81	U	0.14	U	2.81	U				
1,1,2-Trichloroethane	U		2.94	U	0.29	U	0.29	U	5.98	U	0.29	U	5.98	U	0.29	U	5.98	U				
2-Hexanone	U		0.9	U	0.09	U	0.09	U	1.8	U	0.09	U	1.8	U	0.09	U	1.8	U				
Dibromochloromethane	U		3.23	U	0.32	U	0.32	U	6.47	U	0.32	U	6.47	U	0.32	U	6.47	U				
1,2-Dibromoethane	U		2.61	U	0.26	U	0.26	U	5.23	U	0.26	U	5.23	U	0.26	U	5.23	U				
Tetrachloroethene	E		299	D	14.5		2.78		5.3	U	260	E	234	D	396	E	353	D				
Chlorobenzene	U		3.05	U	0.31	U	0.31	U	6.01	U	0.31	U	6.01	U	0.31	U	6.01	U				
Ethyl Benzene	J		1.56	U	0.56	J	0.48	J	3.12	U	0.48	J	3.12	U	1	J	3.12	U				
m/p-Xylene	J		2.77	U	1.04	J	0.95	J	5.64	U	1	J	5.64	U	2.47	J	5.64	U				
o-Xylene	J		1.73	U	0.65	J	0.48	J	3.47	U	0.43	J	3.47	U	0.91	J	3.47	U				
Styrene	J		1.87	U	0.51	J	0.19	U	3.74	U	0.19	U	3.74	U	0.72	J	3.74	U				
Bromoform	U		2.48	U	0.25	U	0.25	U	4.97	U	0.25	U	4.97	U	0.25	U	4.97	U				
1,1,2,2-Tetrachloroethane	U		4.47	U	0.45	U	0.45	U	8.93	U	0.45	U	8.93	U	0.45	U	8.93	U				
1,3,5-Trimethylbenzene	U		1.18	U	0.12	U	0.12	U	2.36	U	0.12	U	2.36	U	0.12	U	2.36	U				
1,2,4-Trimethylbenzene	J		1.77	U	0.74	J	1.08	J	3.53	U	0.59	J	3.53	U	1.37	J	3.53	U				
4-Ethyltoluene	J		0.74	U	0.07	U	0.07	U	1.47	U	0.07	U	1.47	U	0.07	U	1.47	U				
1,3-Dichlorobenzene	U		1.32	U	0.13	U	0.13	U	2.65	U	0.13	U	2.65	U	0.13	U	2.65	U				
1,4-Dichlorobenzene	U		2.04	U	0.2	U	0.2	U	4.09	U	0.2	U	4.09	U	0.2	U	4.09	U				
1,2-Dichlorobenzene	U		2.53	U	0.25	U	0.25	U	5.05	U	0.25	U	5.05	U	0.25	U	5.05	U				
1,2,4-Trichlorobenzene	J		3.48	U	1.48	J	1.41	J	6.96	U	1.33	J	6.96	U	1.11	J	6.96	U				
Hexachloro-1,3-Butadiene	BU		4.48	U	2.46	BU	2.67	BU	8.97	U	2.13	BU	8.97	U	2.35	BU	8.97	U				
1,3-Butadiene	U		0.88	U	0.09	U	0.09	U	1.77	U	0.09	U	1.77	U	0.09	U	1.77	U				
Hexane	U		1.27	U	2.6		4.43		2.53	U	7.49		2.53	U	5.14		2.53	U				
Benzyl Chloride	U		1.44	U	0.14	U	0.14	U	2.88	U	0.14	U	2.88	U	0.14	U	2.88	U				

Total Confident Conc. VOC

549.28

92.56

342.1

297.6

355.45

303.88

572.34

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Water Metals Organic Analyses**  
**Samples Collected April 24, 2007**  
**Samples Received April 25, 2007**  
**Sample Delivery Group: Y2464**  
**Laboratory Reference Numbers:**

152059-GW-MW3S	Y2464-01
152059-GW-MW13ST	Y2464-02
152059-GW-MW4S	Y2464-03
152059-GW-MW41S	Y2464-04
152059-GW-MW6S	Y2464-05
152059-GW-MW12S	Y2464-06
152059-GW-MW14S	Y2464-07
152059-GW-MW1S	Y2464-08
152059-GW-MW1S MS	Y2464-09
152059-GW-MW1S MSD	Y2464-10
152059-GW-MW11S	Y2464-11
152059-GW-MW2	Y2464-12
152059-GW-MW7S	Y2464-13
152059-TB1	Y2464-14

Water samples were received for total metals analyses by NYS DEC ASP protocols. A complete analytical validation was performed based upon the following parameters:

- Data Completeness
- \* - Holding Times
- \* - Calibration Verification
- \* - CRDL Standard
- \* - Laboratory Control Sample
- \* - Serial Dilutions
- \* - Calibration Blanks
  - Field Blank
  - Equipment Blank
- \* - Preparation Blanks
- \* - Matrix Spike
- \* - Duplicate Analyses
- \* - ICP Interference Check Sample
  - Detection Limit Results
- \* - Linear Range
- Sample Results

\* - Indicates that all criteria were met for this parameter.

### **Data Validation Summary**

The date of the instrument detection limits was not noted.

The laboratory used the "J" qualifier to note results between the instrument detection limit and the CRDL as opposed to the "B" qualifier designated by the NYS DEC ASO program.

No other problems were found that would significantly affect the end use of the data. Minor issues that affect the data are noted below.

### **Holding Times**

All parameters were analyzed within the required holding times.

### **CRDL Standards**

The recoveries of all required CRDL standards were within the 80% to 120% quality assurance limits.

### **Initial and Continuing Calibrations**

No problems were detected with any of the calibrations associated with this sample delivery group.

### **Preparation Blank**

No compounds were detected in the soil and water preparation blanks associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

### **Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

### **Field Blank**

A field blank was not analyzed with this sample delivery group.

### **ICP Interference Check Sample**

No problems were detected with the reported ICP Interference Check Sample recoveries. All recoveries were within the 80% - 120% quality assurance limits.



**Matrix Spike Recovery**

Sample152059-GW-MW1S (Y2464-08) was used as the matrix spike as well as a matrix spike duplicate. All of the recoveries which could be accurately calculated were within the required 75% - 125% quality control limits.

**Duplicate Analysis**

Sample152059-GW-MW1S (Y2464-08) was used as the matrix spike duplicate. All of the relative percent differences which could be accurately calculated were less than 20%.

**Laboratory Control Sample**

No problems were detected with the recoveries of the laboratory control standards. All recoveries were within the 80% - 120% quality control limits.

**Serial Dilutions**

Sample152059-GW-MW1S (Y2464-08) was used as the serial dilution. All of the percent differences which could be accurately calculated were less than 10%.

**Instrument Detection Limit**

The date of the determination of the instrument detection limits was not noted

**ICP Linear Ranges**

No problems were found with the linear ranges.

**Sample Results**

Sample 152059-GW-MW3S (Y2464-01) was labeled Y2461-14 in the raw data (page 127). This sample was really a trip blank that was not analyzed for an inorganic fraction.

No other problems were detected with any of these samples.

Data Validation Groundwater Summary Table  
 Spectrum Finishing Corporation - Site No. 152059  
 Babylon, New York

Sample ID	152059-GW-MW3S			152059-GW-MW13ST				152059-GW-MW4S				152059-GW-MW41S				152059-GW-MW6S				152059-GW-MW12S				152059-GW-MW14S				152059-GW-MW1S				152059-GW-MW11S				152059-GW-MW2				152059-GW-MW7S	
Lab Sample Number	Y2464-01			Y2464-02				Y2464-03				Y2464-04				Y2464-05				Y2464-06				Y2464-07				Y2464-08				Y2464-11				Y2464-12				Y2464-13	
Sampling Date	04/24/07			04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07				04/24/07	
Matrix	WATER			WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER	
Dilution Factor	1.0			1.0				1.0				1.0				1.0				1.0				1.0				1.0				1.0				1.0				1.0	
Units	ug/L			ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L				ug/L	
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Mercury	7439-97-6	0.11	U			0.34		0.11	U			0.11	U			0.11	U			0.11	U			0.12	J			0.12	J			0.11	U			0.11	U			0.11	U
Aluminum	7429-90-5	2920		16800		943		650				141				146				69.6				2830				272				225								57.9	
Antimony	7440-36-0	9.940	J	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U	3.100	U
Arsenic	7440-38-2	4.910	J	18.5		3.100	U	5.170	J	5.420	J	3.990	J	5.610	J	4.270	J	7.980	J	4.910	J	5.980	J	4.910	J	4.270	J	7.980	J	4.910	J	5.980	J	4.910	J	5.980	J	4.910	J	5.980	J
Barium	7440-39-3	46.3	J	121		70.3		59.8		42.5	J	62.5		53.3		52.7		84.1		33.4	J	50.1		52.7		84.1		33.4	J	50.1		52.7		84.1		33.4	J	50.1		52.7	
Beryllium	7440-41-7	0.270	J	1.440	J	0.230	J	0.210	J	0.120	J	0.210	J	0.190	J	0.430	J	0.430	J	0.430	J	0.290	J	0.130	J	0.190	J	0.430	J	0.430	J	0.290	J	0.130	J	0.190	J	0.430	J	0.430	
Cadmium	7440-43-9	12.4		5.320		1270		1140		311		381		63.8		22.9		2.400	J	4.610		4.080		2.400	J	4.610		2.400	J	4.610		2.400	J	4.610		2.400	J	4.610		2.400	
Calcium	7440-70-2	18600		55300		19500		16800		14800		19900		21300		42700		19500		14800		29100		19500		14800		19500		14800		19500		14800		19500		14800		19500	
Chromium	7440-47-3	63.2		91.4		14.4		9.480		186		9.760		2.490	J	5.710		5.710		5.710		17.4		5.710		2.490	J	5.710		5.710		17.4		5.710		5.710		17.4		5.710	
Cobalt	7440-48-4	1.630	J	18.4		3.400	J	3.350	J	2.030	J	3.890	J	1.300	U	2.890	J	2.290	J	1.710	J	1.300	U	2.890	J	1.300	U	2.890	J	1.300	U	2.890	J	1.300	U	2.890	J	1.300	U	2.890	
Copper	7440-50-8	125		36.0		536		454		9.830	J	17.6		5.480	J	118		7.060	J	35.0		13.0		7.060	J	35.0		7.060	J	35.0		7.060	J	35.0		7.060	J	35.0		7.060	
Iron	7439-89-6	2760		23100		774		292		201		121		126		1240		371		666		341		1240		371		1240		371		1240		371		1240		371			
Lead	7439-92-1	21.7		12.9		13.2		6.570		1.900	U	1.900	U	1.900	U	27.8		2.390	J	55.2		2.290	J	1.900	U	27.8		2.390	J	55.2		2.390	J	55.2		2.390	J	55.2			
Magnesium	7439-95-4	3600		9820		3960		3340		2890		3980		4320		4490		3480		2980		3560		3480		4320		4490		3480		2980		3480		2980		3480			
Manganese	7439-96-5	105		1740		228		196		56.4		122		16.2		190		52.0		142		4.030	J	16.2		190		52.0		142		52.0		142		52.0		142			
Nickel	7440-02-0	16.0	J	75.2		292		263		199		431		11.4	J	12.4	J	6.960	J	6.370	J	5.410	J	11.4	J	12.4	J	6.960	J	6.370	J	5.410	J	11.4	J	12.4	J	6.960			
Potassium	7440-09-7	1990		7950		3250		2810		2100		2740		3140		7230		2610		2110		2140		3140		7230		2610		2110		2610		2110		2610					
Selenium	7782-49-2	4.100	J	2.680	J	3.000	J	2.100	U	3.160	J	3.180	J	3.610	J	5.610	J	3.300	J	5.380	J	3.970	J	3.610	J	5.610	J	3.300	J	5.380	J	3.970	J	3.610	J	5.610	J	3.300			
Silver	7440-22-4	2.140	J	1.680	J	1.340	J	1.930	J	0.730	J	1.830	J	1.790	J	1.160	J	3.390	J	2.050	J	1.150	J	1.790	J	1.160	J	3.390	J	2.050	J	1.150	J	1.790	J	1.160	J	3.390			
Sodium	7440-23-5	8090		58300		13500		11900		13500		15800		14200		20900		11300		9260		7920		14200		20900		11300		9260		11300		9260		11300					
Thallium	7440-28-0	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500	U	7.500			
Vanadium	7440-62-2	3.030	J	23.2		2.270	J	1.350	J	2.270	J	1.510	J	1.000	U	2.140	J	1.000	J	1.000	J	1.460	J	1.000	U	2.140	J	1.000	J	1.000	J	1.460	J	1.000	J	1.000	J	1.460			
Zinc	7440-66-6	950		117		203		177		77.8		181		46.4		198		53.4		95.2		54.2		46.4		198		53.4		95.2		53.4		95.2		53.4					

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
NR - Not analyzed

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Water Volatile Organic Analyses**

**Samples Collected April 24, 2007**

**Samples Received April 25, 2007**

**Sample Delivery Group: Y2464**

**Laboratory Reference Numbers:**

152059-GW-MW3S	Y2464-01
152059-GW-MW13ST	Y2464-02
152059-GW-MW4S	Y2464-03
152059-GW-MW41S	Y2464-04
152059-GW-MW6S	Y2464-05
152059-GW-MW6S DL	Y2464-05 DL
152059-GW-MW12S	Y2464-06
152059-GW-MW14S	Y2464-07
152059-GW-MW1S	Y2464-08
152059-GW-MW1S MS	Y2464-09
152059-GW-MW1S MSD	Y2464-10
152059-GW-MW11S	Y2464-11
152059-GW-MW2	Y2464-12
152059-GW-MW7S	Y2464-13
152059-TB1	Y2464-14

**VOLATILE ORGANICS  
INITIAL CALIBRATION**

Instrument ID: MSVOAD

Level: Low

Tune File ID: VD010017.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VD010018.D

Date: 4/16/2007

Page: 131

Associated Samples: QC-01, -14, -01, -02, -04, -05, -06, -07, -08, -11, -12, -13, QC-02, -03

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<30	33%	>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
1,1,2-Trichlorotrifluoroethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050	0.028	Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.010	
Benzene	<30		>0.050						

All TCL Compounds Average RRF > 0.050: No

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 30% and 60% (J - qualify)

Only if detected in a sample

TCL Compounds %D between 60% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

**CALIBRATION VERIFICATION:**

Compound	Trichloroethene				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
5	28,852	837,605	0.344	0.344	41,171	967,031	0.426	0.426
10	47,439	805,455	0.294	0.294	62,671	948,729	0.330	0.330
20	101,038	854,951	0.295	0.295	117,632	969,925	0.303	0.303
50	254,723	836,661	0.304	0.304	300,636	1,011,717	0.297	0.297
75	328,555	807,663	0.271	0.271	520,580	946,613	0.367	0.367
100	493,661	831,324	0.297	0.297	803,540	958,437	0.419	0.419
<b>Average</b>			0.301	0.301			0.357	0.357
<b>%RSD</b>			7.97%	7.97%			15.78%	15.78%



**VOLATILE ORGANICS  
CONTINUING CALIBRATION**

Instrument ID: MSVOAD

Level: Low

Tune File ID: VD010296.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VD010297.D

Date: 4/26/2007

Page: 316

Initial Calibration File ID: VD010018.D

Date: 4/16/2007

Page: 131

Associated Samples: QC-01, -14, -01, -02, -04, -05, -06, -07, -08, -11, -12, -13

**COMPOUND LIST**

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<25		>0.050		2,2,4-Trimethylpentane	<25		>0.050	
Chloromethane	<25		>0.050		Benzene	<25		>0.050	
Vinyl Chloride	<25		>0.050		1,2-Dichloropropane	<25		>0.050	
Bromomethane	<25	27%	>0.050		Bromodichloromethane	<25		>0.050	
Chloroethane	<25		>0.050		4-Methyl-2-Pentanone	<25		>0.050	
Trichlorofluoromethane	<25		>0.050		Toluene	<25		>0.050	
Isopropyl Alcohol	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Dichlorotetrafluoroethane	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,1,2-Trichloroethene	<25		>0.050		1,1,2-Trichloroethene	<25		>0.050	
Bromoethene	<25		>0.050		2-Hexanone	<25		>0.050	
Propene	<25		>0.050		Dibromochloromethane	<25		>0.050	
Heptane	<25		>0.050		1,2-Dibromoethane	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		Tetrachloroethene	<25		>0.050	
Ethyl Acetate	<25		>0.050		Chlorobenzene	<25		>0.050	
Acetone	<25		>0.050	0.034	Ethyl Benzene	<25		>0.050	
Carbon Disulfide	<25		>0.050		m/p-Xylene	<25		>0.050	
Methyl tert butyl Ether	<25		>0.050		o-Xylene	<25		>0.050	
Methylene Chloride	<25		>0.050		Styrene	<25		>0.050	
Allyl Chloride	<25		>0.050		Bromoform	<25		>0.050	
trans-1,2-Dichloroethene	<25		>0.050		1,1,2,2-Tetrachloroethane	<25		>0.050	
Vinyl Acetate	<25		>0.050		1,3,5-Trimethylbenzene	<25		>0.050	
1,1-Dichloroethane	<25		>0.050		1,2,4-Trimethylbenzene	<25		>0.050	
Cyclohexane	<25		>0.050		4-Ethyltoluene	<25		>0.050	
2-Butanone	<25		>0.050		1,3-Dichlorobenzene	<25		>0.050	
Carbon Tetrachloride	<25	26%	>0.050		1,4-Dichlorobenzene	<25		>0.050	
cis-1,2-Dichloroethene	<25		>0.050		1,2-Dichlorobenzene	<25		>0.050	
Chloroform	<25		>0.050		1,2,4-Trichlorobenzene	<25		>0.050	
1,4-Dioxane	<25		>0.050		Hexachloro-1,3-Butadiene	<25		>0.050	
1,1,1-Trichloroethane	<25		>0.050		1,3-Butadiene	<25		>0.050	
Tetrahydrofuran	<25		>0.050		Hexane	<25		>0.050	
2,2,4-Trimethylpentane	<25		>0.050		Benzyl Chloride	<25		>0.050	
Benzene	<25		>0.050						

All TCL Compounds Average RRF > 0.050: No

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 25% and 50% (J - qualify)

Only if detected in a sample

TCL Compounds %D between 50% and 90% (J - qualify)

N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected)

N/A

**CALIBRATION VERIFICATION:**

Compound	Chloroform				Styrene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
50	669,674	646,070	1.037	1.037	839,082	1,131,935	0.741	0.741
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.946	Calc	Reported		0.778	Calc	Reported
			9.57	9.60			-4.72	4.80

**VOLATILE ORGANICS  
CONTINUING CALIBRATION**

Instrument ID: MSVOAD

Level: Low

Tune File ID: VD010321.D

Calibration File ID: VD010323.D

Initial Calibration File ID: VD010018.D

Associated Samples: QC-02, -03

Acceptable: Yes  
Date: 4/27/2007  
Date: 4/16/2007

Time Requirements Met: Yes  
Page: 331  
Page: 131

**COMPOUND LIST**

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<25		>0.050		2,2,4-Trimethylpentane	<25		>0.050	
Chloromethane	<25		>0.050		Benzene	<25		>0.050	
Vinyl Chloride	<25		>0.050		1,2-Dichloropropane	<25		>0.050	
Bromomethane	<25		>0.050		Bromodichloromethane	<25		>0.050	
Chloroethane	<25		>0.050		4-Methyl-2-Pentanone	<25		>0.050	
Trichlorofluoromethane	<25		>0.050		Toluene	<25		>0.050	
Isopropyl Alcohol	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Dichlorotetrafluoroethane	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,1,2-Trichloroethene	<25		>0.050		1,1,2-Trichloroethene	<25		>0.050	
Bromoethene	<25		>0.050		2-Hexanone	<25		>0.050	
Propene	<25		>0.050		Dibromochloromethane	<25		>0.050	
Heptane	<25		>0.050		1,2-Dibromoethane	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		Tetrachloroethene	<25		>0.050	
Ethyl Acetate	<25		>0.050		Chlorobenzene	<25		>0.050	
Acetone	<25		>0.050	0.034	Ethyl Benzene	<25		>0.050	
Carbon Disulfide	<25		>0.050		m/p-Xylene	<25		>0.050	
Methyl tert butyl Ether	<25		>0.050		o-Xylene	<25		>0.050	
Methylene Chloride	<25		>0.050		Styrene	<25		>0.050	
Allyl Chloride	<25		>0.050		Bromoform	<25		>0.050	
trans-1,2-Dichloroethene	<25		>0.050		1,1,2,2-Tetrachloroethane	<25		>0.050	
Vinyl Acetate	<25		>0.050		1,3,5-Trimethylbenzene	<25		>0.050	
1,1-Dichloroethane	<25		>0.050		1,2,4-Trimethylbenzene	<25		>0.050	
Cyclohexane	<25		>0.050		4-Ethyltoluene	<25		>0.050	
2-Butanone	<25		>0.050		1,3-Dichlorobenzene	<25		>0.050	
Carbon Tetrachloride	<25	26%	>0.050		1,4-Dichlorobenzene	<25		>0.050	
cis-1,2-Dichloroethene	<25		>0.050		1,2-Dichlorobenzene	<25		>0.050	
Chloroform	<25		>0.050		1,2,4-Trichlorobenzene	<25		>0.050	
1,4-Dioxane	<25		>0.050		Hexachloro-1,3-Butadiene	<25		>0.050	
1,1,1-Trichloroethane	<25		>0.050		1,3-Butadiene	<25		>0.050	
Tetrahydrofuran	<25		>0.050		Hexane	<25		>0.050	
2,2,4-Trimethylpentane	<25		>0.050		Benzyl Chloride	<25		>0.050	
Benzene	<25		>0.050						

All TCL Compounds Average RRF > 0.050: No

All TCL Compounds %D < QC Limit: No

TCL Compounds %D between 25% and 50% (J - qualify)

TCL Compounds %D between 50% and 90% (J - qualify)

TCL Compounds %D > 90% (R - reject undetected / J - detected)

Only if detected in a sample

N/A

N/A

**CALIBRATION VERIFICATION:**

Compound	Trichloroethene				Styrene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
5	344,434	904,105	0.381	0.381	1,081,753	904,105	1.196	1.196
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.366	Calc	Reported		1.126	Calc	Reported
			4.09	4.10			6.26	6.20

Data Validation Groundwater Summary Table - VOCs  
Spectrum Finishing Corporation - Site No. 152059  
Babylon, New York

Sample ID	MW3S	MW13ST	MW4S	MW41S	MW6S	MW6SDL	MW12S	MW14S	MW1S	MW11S	MW2	MW7S	TB1														
Lab Sample Number	Y2464-01	Y2464-02	Y2464-03	Y2464-04	Y2464-05	Y2464-05DL	Y2464-06	Y2464-07	Y2464-08	Y2464-11	Y2464-12	Y2464-13	Y2464-14														
Sampling Date	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07	04/24/07														
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER														
Dilution Factor	1.0	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0														
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L														
COMPOUND	CAS #	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV	Lab	DV
Dichlorodifluoromethane	75-71-8	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U
Chloromethane	74-87-3	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Vinyl Chloride	75-01-4	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Bromomethane	74-83-9	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Chloroethane	75-00-3	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
Trichlorofluoromethane	75-69-4	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
1,1,2-Trichlorotrifluoroethane	76-13-1	1.3	U	J	1.3	U	J	1.3	U	J	1.3	U	J	1.3	U	J	1.3	U	J	1.3	U	J	1.3	U	J	1.3	U
1,1-Dichloroethene	75-35-4	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U
Acetone	67-64-1	2.3	U	J	2.3	U	J	2.3	U	J	2.3	U	J	2.3	U	J	2.3	U	J	2.3	U	J	2.3	U	J	2.3	U
Carbon Disulfide	75-15-0	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U
Methyl tert-butyl Ether	1634-04-4	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U
Methyl Acetate	79-20-9	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U
Methylene Chloride	75-09-2	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U
trans-1,2-Dichloroethene	156-60-5	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U
1,1-Dichloroethane	75-34-3	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
Cyclohexane	110-82-7	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
2-Butanone	78-93-3	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U
Carbon Tetrachloride	56-23-5	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U
cis-1,2-Dichloroethene	156-59-2	0.29	U		0.29	U		0.29	U		0.29	U		0.29	U		0.29	U		0.29	U		0.29	U		0.29	U
Chloroform	67-66-3	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
1,1,1-Trichloroethane	71-55-6	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Methylcyclohexane	108-87-2	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Benzene	71-43-2	0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U
1,2-Dichloroethane	107-06-2	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Trichloroethene	79-01-6	1.7	J		0.46	U		0.46	U		1.0	J		1.8	U	R	0.46	U		0.46	U		0.46	U		0.46	U
1,2-Dichloropropane	78-87-5	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U
Bromodichloromethane	75-27-4	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
4-Methyl-2-Pentanone	108-10-1	1.6	U		1.6	U		1.6	U		1.6	U		1.6	U		1.6	U		1.6	U		1.6	U		1.6	U
Toluene	108-88-3	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
t-1,3-Dichloropropene	10061-02-6	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
cis-1,3-Dichloropropene	10061-01-5	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
1,1,2-Trichloroethane	79-00-5	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
2-Hexanone	591-78-6	1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U
Dibromochloromethane	124-48-1	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
1,2-Dibromoethane	106-93-4	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Tetrachloroethene	127-18-4	16			0.48	U		30			140	E	R	94	D		9.4			0.48	U		0.48	U		3.3	J
Chlorobenzene	108-90-7	0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U
Ethyl Benzene	100-41-4	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
m/p-Xylenes	126777-61-2	1.2	U		1.2	U		1.2	U		1.2	U		1.2	U		1.2	U		1.2	U		1.2	U		1.2	U
o-Xylene	95-47-6	0.46	U		0.46	U		0.46	U		0.46	U		0.46	U		0.46	U		0.46	U		0.46	U		0.46	U
Styrene	100-42-5	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Bromoform	75-25-2	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Isopropylbenzene	98-82-8	0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U
1,1,2,2-Tetrachloroethane	79-34-5	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
1,3-Dichlorobenzene	541-73-1	0.50	U		0.50	U		0.50	U		0.50	U		0.50	U		0.50	U		0.50	U		0.50	U		0.50	U
1,4-Dichlorobenzene	106-46-7	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
1,2-Dichlorobenzene	95-50-1	0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U		0.44	U
1,2-Dibromo-3-Chloropropane	96-12-8	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
1,2,4-Trichlorobenzene	120-82-1	0.46	U	J	0.46	U	J	0.46	U	J	0.46	U	J	0.46	U	J	0.46	U	J	0.46	U	J	0.46	U	J	0.46	U
Total Confident Conc. VOC		17.7			0			30			28			141			94			9.4			0			0	
Total TICs		0			0			0			0			0			0			0			0			0	

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
NR - Not analyzed

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Water Volatile Organic Analyses**  
**Samples Collected April 24, 2007**  
**Samples Received April 25, 2007**  
**Sample Delivery Group: Y2464**  
**Laboratory Reference Numbers:**

152059-GW-MW3S	Y2464-01
152059-GW-MW13ST	Y2464-02
152059-GW-MW4S	Y2464-03
152059-GW-MW41S	Y2464-04
152059-GW-MW6S	Y2464-05
152059-GW-MW6S DL	Y2464-05 DL
152059-GW-MW12S	Y2464-06
152059-GW-MW14S	Y2464-07
152059-GW-MW1S	Y2464-08
152059-GW-MW1S MS	Y2464-09
152059-GW-MW1S MSD	Y2464-10
152059-GW-MW11S	Y2464-11
152059-GW-MW2	Y2464-12
152059-GW-MW7S	Y2464-13
152059-TB1	Y2464-14

Water samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
  - Calibrations
- \* - Laboratory Blanks
  - Trip Blanks
  - Field Blanks
  - Storage Blank
  - Equipment Blank
  - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
  - Instrument Detection Limits
  - Laboratory Control Sample
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

## DATA VALIDATION SUMMARY

Instrument detection limits were not found in this sample delivery group.

The minor problems with the low relative response factor for acetone and 2-butanone, calibrations and laboratory control samples should be noted. These are discussed in detail below.

No other significant problems were found with this sample delivery group which would affect the usability of the data.

### Holding Times

All samples were preserved and analyzed within 14 days of collection.

### Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

### Surrogate Compound Recoveries

All surrogate compound recoveries were within the compound specific quality assurance limits with the one exception of the 4-bromofluorobenzene surrogate (75%) in sample 152059-GW-MW6S (Y2464-05). The recovery was just below the 76% quality assurance limit.

This sample was reanalyzed at a dilution due to high levels of ??????. All of the surrogate recoveries were within the required limits in the diluted analysis.

The compounds that were quantitated from the initial analysis were flagged with the "J" qualifier and are estimated values. It is possible that reported concentrations were slightly underestimated and very low levels overlooked.

### Calibrations

All of the percent RSDs were within the required 30% limit in the one initial calibration with the exceptions of dichlorofluoromethane (32%) and bromochloromethane (34%).

These compounds were not detected in any of the samples and the data were not qualified since the percent difference was less than 60%.

All of the relative response factors were above 0.050 with the exception of acetone (0.028). All of the acetone data were flagged with the "J" qualifier. Acetone not detected in any of the samples and it is possible that low concentrations were overlooked. The rrf of acetone was also less than the quality control limit in both of the continuing calibrations.



All of the percent differences in the 4/26 continuing calibration were less than 25% with the exceptions of bromomethane (27%) and carbon tetrachloride (26%). This continuing calibration was associated with the analysis of all of the samples with the one exception of 152059-GW-MW4S (Y2464-03).

Neither of the two compounds were detected in the samples and the data were not qualified since the percent differences were less than 50%.

All of the percent differences in the 4/27 continuing calibration were less than 25% with the exception of carbon tetrachloride (26%). This continuing calibration was associated with the analysis of sample 152059-GW-MW4S (Y2464-03).

Carbon tetrachloride was not detected in any of these samples and the data were not qualified since the percent difference was less than 50%.

### Matrix Spike and Matrix Spike Duplicate

The laboratory used their in-house limits for the recoveries and RPDs. Some of their recovery limits were as low as 20%. Quality assurance limits of 70% - 130% were used for the purposes of the validation. An RPD of 30% was used for the validation precision limit.

Sample 152059-GW-MW1S (Y2464-08) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the following exceptions:

Compound	MS %Rec	MSD %Rec	QC Limits	RPD	Limits
1,1,2-Trichlorofluoroethane		52%	70% - 130%	42%	30%
Methyl Acetate	134%	154%	70% - 130%		30%
1,2,4-Trichlorobenzene	68%	70%	70% - 130%		30%

1,1,2-Trichlorofluoroethane and 1,2,4-trichlorobenzene were flagged with the "J" qualifier since the recoveries were less than 70%.

Methyl acetate was not detected in any of the samples and the data were not qualified since the high recovery does not affect undetected data.

### Laboratory Control Sample

Two laboratory control samples were associated with this sample delivery group.

All laboratory control sample recoveries were within the 70% - 130% quality assurance limits in the 4/26 LCS BSD0426-01 with the following exceptions:

Compound	LCS %Rec	QC Limits
Trichlorofluoromethane	140%	70% - 130%
1,1,2,2-Tetrachloroethane	135%	70% - 130%
1,2,4-Trichlorobenzene	65%	70% - 130%

This laboratory control sample was associated with the analyses of all of the samples with the one exception of 152059-GW-MW4S (Y2464-03).

1,2,4-Trichlorobenzene was flagged with "J" qualifier since the recovery was less than 70%.

Trichlorofluoromethane and 1,1,2,2-tetrachloroethane were not detected in any of the samples and the data were not qualified since high recoveries do not affect undetected data.

All laboratory control sample recoveries were within the 70% - 130% quality assurance limits in the 4/27 LCS BSD0427-01 with the following exceptions:

<b>Compound</b>	<b>LCS %Rec</b>	<b>QC Limits</b>
Vinyl Chloride	135%	70% - 130%
Bromomethane	155%	70% - 130%
Trichlorofluoromethane	160%	70% - 130%
1,1,2,2-Tetrachloroethane	150%	70% - 130%
1,2,4-Trichlorobenzene	65%	70% - 130%

This laboratory control sample was associated with the analyses of sample 152059-GW-MW4S (Y2464-03).

1,2,4-Trichlorobenzene was flagged with "J" qualifier since the recovery was less than 70%.

None of the compounds with the high recoveries were detected in any of the samples and the data were not qualified since high recoveries do not affect undetected data.

#### **Method Blanks**

No compounds were detected in the method blanks.

#### **Trip Blank**

No compounds were detected in the trip blank.

#### **Field Blank**

A field blank was not collected with this sample delivery group.

#### **Internal Standard Areas and Retention Times**

The recoveries and retention times of all internal standards were within the required 50% - 150% quality control limits with the one exception of the fourth 1,4-dichlorobenzene-d4 internal standard (46%) in sample 152059-GW-MW6S (Y2464-05). Compounds that were quantitated against this internal standard were flagged with the "J" qualifier and are estimated values.

This sample was reanalyzed at a dilution and all of the recoveries were within the required limits.

#### **Instrument Detection limits**

Instrument detection limits were not found in this sample delivery group.

## **Sample Results**

Sample 152059-GW-MW6S (Y2464-05) was reanalyzed at a 4X dilution due to a high concentration of tetrachloroethene (94 ug/l). This compound should be reported from the dilution. And all other compounds from the undiluted analysis. .

No other problems were found with the reported results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Air Volatile Organic Analyses**  
**Samples Collected April 26, 2007**  
**Samples Received April 27, 2007**  
**Sample Delivery Group: Y2624**  
**Laboratory Reference Numbers:**

152059-SV-SV17S	Y2495-01
152059-SV-SV17S DL	Y2495-01 DL
152059-SV-SV17D	Y2495-02
152059-SV-SV17D DL	Y2495-02 DL
152059-SV-SV171S	Y2495-03
152059-SV-SV171S DL	Y2495-03 DL
152059-SV-SV21S	Y2495-04
152059-SV-SV21D	Y2495-05
152059-OA-AA2	Y2495-06
152059-SV-SV3S	Y2495-07
152059-SV-SV3S DL	Y2495-07 DL
152059-SV-SV3D	Y2495-08
152059-SV-SV3D DL	Y2495-08 DL
152059-SV-SV31S	Y2495-09
152059-SV-SV31S DL	Y2495-09 DL
152059-SV-SV2S	Y2495-10
152059-SV-SV2D	Y2495-11
152059-SV-7S	Y2495-12
152059-SV-7D	Y2495-13
152059-SV-8S	Y2495-14
152059-SV-8S DL	Y2495-14 DL
152059-SV-8D	Y2495-15
152059-SV-13S	Y2495-16
152059-SV-13D	Y2495-17
152059-SV-1S	Y2495-18
152059-SV-1D	Y2495-19
152059-OA-AA1	Y2495-20
152059-OA-AA1 MS	Y2495-20 MS
152059-OA-AA1 MSD	Y2495-20 MSD

Air samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
- \* - Calibrations
  - Laboratory Blanks
  - Trip Blanks
  - Field Blanks
  - Storage Blank
  - Equipment Blank
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
  - Instrument Detection Limits
  - Laboratory Control Sample
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

## DATA VALIDATION SUMMARY

A low concentration of 1,2,4-trichlorobenzene (0.81 ug/M3 / 0.1 ppbv) was detected in the 5/8 method blank associated with the analyses of samples -01, -02, -03, -04, -05, -07, -08, -01DL, -02DL, -03DL, -07DL, -08DL, -09DL, -09, -10, -11, -12 and -13. Low concentrations of this compound, less than 5x the concentration in the blank prior to dilution, were flagged with the "BU" qualifier. The laboratory is required to flag method blank contaminants were with "B" qualifier on the sample summary forms but this was not done.

The problems with the matrix spike and laboratory control samples should be noted. These are discussed in detail below.

Instrument detection limits were not found in this sample delivery group.

## Holding Times

All samples were analyzed within 30 days of collection.

## Tunes

No problems were detected with the tunes associated with the samples of this delivery group.



### Surrogate Compound Recoveries

All surrogate compound recoveries were within the 65% - 135% quality assurance limits.

1-Bromo-4-fluorobenzene was the only surrogate.

### Calibrations

All of the percent RSDs and percent differences were within the required 30% limit in the initial calibration.

All RRF's were greater than 0.05.

### Matrix Spike and Matrix Spike Duplicate

Sample 152059-OA-AA1 (Y2495-20) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs that could be accurately calculated were within the required quality assurance limits with the following exceptions:.

Compound	MS %Rec.	MSD %Rec.	QC Limits	RPD	Limits
Trichlorofluoromethane		136%	65 - 135		35
Isopropyl Alcohol	16%	26%	65 - 135	48%	35
Vinyl Acetate	140%	140%	65 - 135		35
Chloroform		140%	65 - 135		35
1,1,1-Trichloroethane	140%		65 - 135		35
2-Methyl-2-Pentanone	59%	63%	65 - 135		35
2-Hexanone	61%		65 - 135		35
Styrene	136%	136%	65 - 135		35
1,2,4-Trimethylbenzene	136%	136%	65 - 135		35
1,3-Dichlorobenzene		140%	65 - 135		35
1,4-Dichlorobenzene	140%	140%	65 - 135		35
1,2-Dichlorobenzene	140%	140%	65 - 135		35
1,2,4-Trichlorobenzene	150%	160%	65 - 135		35

The data for the compounds with low recoveries were flagged with the "J" qualifier. It is possible low concentrations were overlooked and reported concentrations underestimated.

The data for the compounds with high recoveries were only flagged with the "J" qualifier if they were detected in a sample. Non detects were not qualified since high recoveries do not affect undetected data.

### Laboratory Control Sample

All BSL0508A1 LCS recoveries, associated with the analyses of samples -01, -02, -03, -04, -05, -07, -08, -01DL, -02DL, -03DL, -07DL, -08DL, -09DL, -09, -10, -11, -12, and -13 were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
2-Hexanone	64%	65 - 135%
1,2,4-Trichlorobenzene	180%	65 - 135%

All of the 2-hexanone data for these samples was flagged with the “J” qualifier. It is possible that low concentrations were overlooked and reported concentrations underestimated.

Compounds with recoveries above the 135% quality control limit were flagged with the “J” qualifier only if they were detected in a sample since high recoveries do not affect the undetected data.

All BSL0509A1 LCS recoveries, associated with the analyses of samples -18, -14, -15, -16, -17, -19, -06 and -20 were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
Toluene	140%	65 – 135%
Styrene	140%	65 – 135%
1,3-Dichlorobenzene	140%	65 – 135%
1,4-Dichlorobenzene	140%	65 – 135%
1,2-Dichlorobenzene	140%	65 – 135%
1,2,4-Trichlorobenzene	170%	65 – 135%

Compounds with recoveries above the 135% quality control limit were flagged with the “J” qualifier only if they were detected in a sample since high recoveries do not affect the undetected data.

All BSL0510A1 LCS recoveries, associated with the analyses of sample -14 DL were within the required quality assurance limits with the following exceptions:

Compound	MS %Rec.	QC Limits
2-Hexanone	62%	65 – 135%
1,2,4-Trichlorobenzene	150%	65 – 135%

Neither of these compounds were quantitated from the dilutions and the low recoveries do not affect the use of the data.

None of the compounds with the low recoveries were quantitated from the dilutions and the low recoveries do not affect the use of the data.

## Method Blanks

A low concentration of 1,2,4-trichlorobenzene (0.81 ug/M3 / 0.1 ppbv) was detected in the 5/8 method blank associated with the analyses of samples -01, -02, -03, -04, -05, -07, -08, -01DL, -02DL, -03DL, -07DL, -08DL, -09DL, -09, -10, -11, -12 and -13.

Low concentrations of this compound, less than 5x the concentration in the blank prior to dilution, were flagged with the “BU” qualifier. The laboratory is required to flag method blank contaminants were with “B” qualifier on the sample summary forms but this was not done.

No compounds were detected in the other two method blanks.

## Trip Blank

A trip blank was not analyzed with this sample delivery group.

### **Field Blank**

A field blank was not analyzed with this sample delivery group.

### **Internal Standard Areas and Retention Times**

The recoveries and retention times of all internal standards were within the required quality control limits (60% - 140%).

### **Instrument Detection limits**

Instrument detection limits were not found in this sample delivery group.

### **Sample Results**

No other problems were found with the reported results of any of the samples of this delivery group.

**SUMMARY OF THE ANALYTICAL DATA USABILITY**  
**Spectrum Finishing Corp**  
**D006131-1**

**Air Volatile Organic Analyses**

**Samples Collected April 26, 2007**

**Samples Received April 27, 2007**

**Sample Delivery Group: Y2624**

**Laboratory Reference Numbers:**

152059-SV-SV17S	Y2495-01
152059-SV-SV17S DL	Y2495-01 DL
152059-SV-SV17D	Y2495-02
152059-SV-SV17D DL	Y2495-02 DL
152059-SV-SV171S	Y2495-03
152059-SV-SV171S DL	Y2495-03 DL
152059-SV-SV21S	Y2495-04
152059-SV-SV21D	Y2495-05
152059-OA-AA2	Y2495-06
152059-SV-SV3S	Y2495-07
152059-SV-SV3S DL	Y2495-07 DL
152059-SV-SV3D	Y2495-08
152059-SV-SV3D DL	Y2495-08 DL
152059-SV-SV31S	Y2495-09
152059-SV-SV31S DL	Y2495-09 DL
152059-SV-SV2S	Y2495-10
152059-SV-SV2D	Y2495-11
152059-SV-7S	Y2495-12
152059-SV-7D	Y2495-13
152059-SV-8S	Y2495-14
152059-SV-8S DL	Y2495-14 DL
152059-SV-8D	Y2495-15
152059-SV-13S	Y2495-16
152059-SV-13D	Y2495-17
152059-SV-1S	Y2495-18
152059-SV-1D	Y2495-19
152059-OA-AA1	Y2495-20
152059-OA-AA1 MS	Y2495-20 MS
152059-OA-AA1 MSD	Y2495-20 MSD

**VOLATILE ORGANICS  
INITIAL CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL050701.D

Acceptable: Yes

Time Requirements Met: Yes

Initial Calibration File ID: VL050701

Date: 5/7/2007

Page: 555

Associated Samples: VBL0508A1, BSL0508A1, -01, -02, -03, -04, -05, -07, -08, -01DL, -02DL, -03DL, -07DL, -08DL, -09DL, -09, -10, -11, -12, -13, VBL0509A1, BSL0509A1, -08, -14, -15, -16, -17, -19, -06, -20

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Trichloroethene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.010	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.010	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.010	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.010	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.010	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.010	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.010	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.010	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.010	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.010	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.010	
Benzene	<30		>0.050						

Surrogate Recovery	QC %RSD	STD %RSD	QC RRF	STD RRF
	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes

TCL Compounds %D between 30% and 60% (J - qualify) N/A

TCL Compounds %D between 60% and 90% (J - qualify) N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

**CALIBRATION VERIFICATION:**

Compound	Heptane				Benzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPBV								
0.2	60,323	1,640,121	1.839	1.839	124,706	5,255,379	1.186	1.186
1	323,298	1,495,092	2.162	2.162	568,868	5,343,990	1.065	1.065
5	1,273,748	1,454,868	1.751	1.751	2,436,765	5,540,120	0.880	0.880
10	2,404,820	1,411,686	1.704	1.704	4,745,486	5,959,452	0.796	0.796
20	4,451,447	1,301,197	1.711	1.711	9,160,475	5,797,114	0.790	0.796
<b>Average</b>			1.833	1.833			0.943	0.943
<b>%RSD</b>			10.46%	10.46%			18.58%	18.58%



**VOLATILE ORGANICS  
CONTINUING CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL050801.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VL050803

Date: 5/8/2007

Page: 605

Initial Calibration File ID: VL050701

Date: 5/7/2007

Page: 555

Associated Samples: VBL0508A1, BSL0508A1, -01, -02, -03, -04, -05, -07, -08, -01DL, -02DL, -03DL, -07DL, -08DL, -09DL, -09, -10, -11, -12, -13

**COMPOUND LIST**

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.050	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.050	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.050	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.050	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.050	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.050	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.050	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.050	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.050	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.050	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.050	
Benzene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogate:				
1-Bromo-4-Fluorobenzene	<30%		>0.050	
All TCL Compounds Average RRF > 0.050:			Yes	
All TCL Compounds %D < QC Limit:			Yes	
TCL Compounds %D between 30% and 50% (J - qualify)				N/A
TCL Compounds %D between 50% and 90% (J - qualify)				N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected)				N/A

**CALIBRATION VERIFICATION:**

Compound	1,1,2-Trichloroethene					Ethyl Benzene				
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf		
PPB										
10	1,677,248	4,772,252	0.351	0.351	5,274,696	4,264,410	1.237	1.237		
% D		Avg RRF	% D	% D		Avg RRF	% D	% D		
		0.369	Calc	Reported		1.387	Calc	Reported		
			-4.75	4.90			-10.82	10.80		

**VOLATILE ORGANICS  
CONTINUING CALIBRATION**

Instrument ID: MSVOAL

Level: Low

Tune File ID: VL050801.D

Acceptable: Yes

Time Requirements Met: Yes

Calibration File ID: VL050803

Date: 5/9/2007

Page: 610

Initial Calibration File ID: VL050701

Date: 5/7/2007

Page: 555

Associated Samples: VBL0509A1, BSL0509A1, -08, -14, -15, -16, -17, -19, -06, -20

**COMPOUND LIST**

	QC %D	STD %D	QC RRF	STD RRF		QC %D	STD %D	QC RRF	STD RRF
Dichlorodifluoromethane	<30		>0.050		2,2,4-Trimethylpentane	<30		>0.050	
Chloromethane	<30		>0.050		Benzene	<30		>0.050	
Vinyl Chloride	<30		>0.050		1,2-Dichloropropane	<30		>0.050	
Bromomethane	<30		>0.050		Bromodichloromethane	<30		>0.050	
Chloroethane	<30		>0.050		4-Methyl-2-Pentanone	<30		>0.050	
Trichlorofluoromethane	<30		>0.050		Toluene	<30		>0.050	
Isopropyl Alcohol	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Dichlorotetrafluoroethane	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,1,2-Trichloroethene	<30		>0.050		1,1,2-Trichloroethene	<30		>0.050	
Bromoethene	<30		>0.050		2-Hexanone	<30		>0.050	
Propene	<30		>0.050		Dibromochloromethane	<30		>0.050	
Heptane	<30		>0.050		1,2-Dibromoethane	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		Tetrachloroethene	<30		>0.050	
Ethyl Acetate	<30		>0.050		Chlorobenzene	<30		>0.050	
Acetone	<30		>0.050		Ethyl Benzene	<30		>0.050	
Carbon Disulfide	<30		>0.050		m/p-Xylene	<30		>0.050	
Methyl tert butyl Ether	<30		>0.050		o-Xylene	<30		>0.050	
Methylene Chloride	<30		>0.050		Styrene	<30		>0.050	
Allyl Chloride	<30		>0.050		Bromoform	<30		>0.050	
trans-1,2-Dichloroethene	<30		>0.050		1,1,2,2-Tetrachloroethane	<30		>0.050	
Vinyl Acetate	<30		>0.050		1,3,5-Trimethylbenzene	<30		>0.050	
1,1-Dichloroethane	<30		>0.050		1,2,4-Trimethylbenzene	<30		>0.050	
Cyclohexane	<30		>0.050		4-Ethyltoluene	<30		>0.050	
2-Butanone	<30		>0.050		1,3-Dichlorobenzene	<30		>0.050	
Carbon Tetrachloride	<30		>0.050		1,4-Dichlorobenzene	<30		>0.050	
cis-1,2-Dichloroethene	<30		>0.050		1,2-Dichlorobenzene	<30		>0.050	
Chloroform	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.050	
1,4-Dioxane	<30		>0.050		Hexachloro-1,3-Butadiene	<30		>0.050	
1,1,1-Trichloroethane	<30		>0.050		1,3-Butadiene	<30		>0.050	
Tetrahydrofuran	<30		>0.050		Hexane	<30		>0.050	
2,2,4-Trimethylpentane	<30		>0.050		Benzyl Chloride	<30		>0.050	
Benzene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogate: 1-Bromo-4-Fluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes

TCL Compounds %D between 30% and 50% (J - qualify) N/A

TCL Compounds %D between 50% and 90% (J - qualify) N/A

TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

**CALIBRATION VERIFICATION:**

Compound Carbon Disulfide

PPB	Area x	Area IS	calc rrf	Rprtd rrf
10	3,400,813	904,263	3.761	3.761
% D		Avg RRF	% D	% D
		3.571	Calc	Reported
			5.32	5.30

Toluene

Area x	Area IS	calc rrf	Rprtd rrf
5,036,324	4,269,963	1.179	1.179
	Avg RRF	% D	% D
	1.079	Calc	Reported
		9.31	9.30

Sample ID	152059-SV-SV17S	152059-SV-SV17SDL
Lab Sample Number	Y2495-01	Y2495-01DL
Sampling Date	04/26/07	04/26/07
Matrix	AIR	AIR
Dilution Factor	1.0	20.0
Units	ug/m3	ug/m3

COMPOUND	CAS #		Lab	DV	
Dichlorodifluoromethane	75-71-8	3.61			3.56
Chloromethane	74-87-3	0.07	U		1.47
Vinyl Chloride	75-01-4	0.08	U		1.53
Bromomethane	74-83-9	0.13	U		2.64
Chloroethane	75-00-3	0.1	U		2.02
Trichlorofluoromethane	75-69-4	5.27		J	3.14
Isopropyl Alcohol	67-63-0	3.56		J	0.59
Dichlorotetrafluoroethane	76-14-2	0.22	U		4.34
1,1,2-Trichlorotrifluoroethane	76-13-1	0.92			3.82
Bromoethene	593-60-2	0.11	U		2.28
Propene	115-07-1	27.9			30.6
Heptane	142-82-5	7.2			3.27
1,1-Dichloroethene	75-35-4	0.12	U		2.46
Ethyl Acetate	141-78-6	0.08	U		1.58
Acetone	67-64-1	70.2	E		42.2
Carbon Disulfide	75-15-0	1.34			1.49
Methyl tert-Butyl Ether	1634-04-4	0.09	U		1.73
Methylene Chloride	75-09-2	4.76			1.04
Allyl Chloride	107-05-1	0.08	U		1.51
trans-1,2-Dichloroethene	156-60-5	0.13	U		2.7
Vinyl Acetate	108-05-4	0.14	U		2.81
1,1-Dichloroethane	75-34-3	0.14	U		2.75
Cyclohexane	110-82-7	9.99			11.4
2-Butanone	78-93-3	10.1			2.77
Carbon Tetrachloride	56-23-5	0.19	U		3.78
cis-1,2-Dichloroethene	156-59-2	0.13	U		2.7
Chloroform	67-66-3	1.31		J	2.34
1,4-Dioxane	123-91-1	0.19	U		3.96
1,1,1-Trichloroethane	71-55-6	10.3		J	10.9
Tetrahydrofuran	109-99-9	1.94			3.53
2,2,4-Trimethylpentane	540-84-1	7.18			2.89
Benzene	71-43-2	5.42			1.6
1,2-Dichloroethane	107-06-2	0.12	U		2.43
Trichloroethene	79-01-6	1.66			3.86
1,2-Dichloropropane	78-87-5	0.23	U		4.53
Bromodichloromethane	75-27-4	0.27	U		5.37
4-Methyl-2-Pentanone	108-10-1	10.8		J	2.13
Toluene	108-88-3	27.3			21.8
t-1,3-Dichloropropene	10061-02-6	0.11	U		2.27
cis-1,3-Dichloropropene	10061-01-5	0.14	U		2.81
1,1,2-Trichloroethane	79-00-5	0.29	U		5.98
2-Hexanone	591-78-6	0.09	U	J	1.8
Dibromochloromethane	124-48-1	0.32	U		6.47
1,2-Dibromoethane	106-93-4	0.26	U		5.23
Tetrachloroethene	127-18-4	180	E		186

<b>Chlorobenzene</b>	108-90-7	<b>6.75</b>		6.01
<b>Ethyl Benzene</b>	100-41-4	<b>4.03</b>		3.12
<b>m/p-Xylene</b>	126777-61-2	<b>14.1</b>		5.64
<b>o-Xylene</b>	95-47-6	<b>6.85</b>		3.47
<b>Styrene</b>	100-42-5	<b>2.72</b>	J	3.74
<b>Bromoform</b>	75-25-2	<b>0.25</b>	U	4.97
<b>1,1,2,2-Tetrachloroethane</b>	79-34-5	<b>0.45</b>	U	8.93
<b>1,3,5-Trimethylbenzene</b>	108-67-8	<b>4.71</b>		2.36
<b>1,2,4-Trimethylbenzene</b>	95-63-6	<b>14</b>	J	10.8
<b>4-Ethyltoluene</b>	622-96-8	<b>3.78</b>		1.47
<b>1,3-Dichlorobenzene</b>	541-73-1	<b>1.38</b>	J	2.65
<b>1,4-Dichlorobenzene</b>	106-46-7	<b>0.96</b>	J	4.09
<b>1,2-Dichlorobenzene</b>	95-50-1	<b>0.25</b>	U	5.05
<b>1,2,4-Trichlorobenzene</b>	120-82-1	<b>1.92</b>	BU	6.96
<b>Hexachloro-1,3-Butadiene</b>	87-68-3	<b>1.28</b>		8.97
<b>1,3-Butadiene</b>	106-99-0	<b>0.09</b>	U	1.77
<b>Hexane</b>	110-54-3	<b>14.1</b>		14.8
<b>Benzyl Chloride</b>	100-44-7	<b>0.14</b>	U	2.88

Total Confident Conc. VOC

467.34

328.5

## 152059-SV-SV17D

Y2495-02

04/26/07

AIR

1.0

ug/m3

## 152059-SV-SV17DDL

Y2495-02DL

04/26/07

AIR

20.0

ug/m3

## 152059-SV-SV171S

Y2495-03

04/26/07

AIR

1.0

ug/m3

Lab	DV	Lab	DV	Lab	DV	Lab	DV
U		3.71		3.56	U	3.22	
U		0.07	U	1.47	U	0.07	U
U		0.08	U	1.53	U	0.08	U
U		0.13	U	2.64	U	0.13	U
U		0.1	U	2.02	U	0.1	U
U		5.49	J	3.14	U	4.43	J
U		0.03	U J	0.59	U	0.03	U J
U		0.22	U	4.34	U	0.22	U
U		0.19	U	3.82	U	0.92	
U		0.11	U	2.28	U	0.11	U
D		46.7	E	52.6	D	23.1	
U		5.6		3.27	U	5.11	
U		0.12	U	2.46	U	0.12	U
U		0.08	U	1.58	U	0.08	U
D		54.6	E	51.2	D	74.8	E
U		1.87		1.49	U	0.07	U
U		0.09	U	1.73	U	0.09	U
U		4.42		1.04	U	2.92	
U		0.08	U	1.51	U	0.08	U
U		0.13	U	2.7	U	0.13	U
U		0.14	U	2.81	U	0.14	U
U		0.14	U	2.75	U	0.14	U
JD		1.78		2.08	U	6.91	
U		12.7		2.77	U	7.69	
U		0.19	U	3.78	U	0.19	U
U		0.13	U	2.7	U	0.13	U
U		1.02	J	2.34	U	1.02	J
U		0.19	U	3.96	U	0.19	U
JD		12.3	J	12	D	7.23	J
U		0.17	U	3.53	U	1.41	
U		9.74		9.33	JD	5.04	
U		5.9		1.6	U	4.21	
U		0.12	U	2.43	U	0.12	U
U		2.84		3.86	U	1.02	
U		0.23	U	4.53	U	0.23	U
U		0.27	U	5.37	U	0.27	U
U		7.57	J	2.13	U	8.63	J
D		37.2		33.1	D	17.1	
U		0.11	U	2.27	U	0.11	U
U		0.14	U	2.81	U	0.14	U
U		0.29	U	5.98	U	0.29	U
U		0.09	U J	1.8	U	0.09	U J
U		0.32	U	6.47	U	0.32	U
U		0.26	U	5.23	U	0.26	U
D		268	E	292	D	116	



U	<b>0.31</b>	U	6.01	U	<b>2.82</b>	
U	<b>15.9</b>		13.9	D	<b>2.17</b>	
U	<b>57.2</b>		47.7	D	<b>7.54</b>	
U	<b>30.2</b>		25.1	D	<b>3.6</b>	
U	<b>1.74</b>	J	3.74	U	<b>1.87</b>	J
U	<b>0.25</b>	U	4.97	U	<b>0.25</b>	U
U	<b>0.62</b>	J	8.93	U	<b>0.45</b>	U
U	<b>38.3</b>		29.4	D	<b>2.45</b>	
D	<b>91.8</b>	J	69.7	D	<b>7.51</b>	J
U	<b>21.7</b>		16.7	D	<b>1.96</b>	
U	<b>0.13</b>	U	2.65	U	<b>1.26</b>	J
U	<b>0.2</b>	U	4.09	U	<b>0.66</b>	J
U	<b>0.25</b>	U	5.05	U	<b>0.25</b>	U
U	<b>1.33</b>	BU	6.96	U	<b>0.89</b>	BU
U	<b>0.45</b>	U	8.97	U	<b>0.45</b>	U
U	<b>0.09</b>	U	1.77	U	<b>0.09</b>	U
D	<b>7.88</b>		2.53	U	<b>11.1</b>	
U	<b>0.14</b>	U	2.88	U	<b>0.14</b>	U

748.11

652.73

334.59

152059-SV-SV171SDL  
 Y2495-03DL  
 04/26/07  
 AIR  
 20.0  
 ug/m3

152059-SV-SV21S  
 Y2495-04  
 04/26/07  
 AIR  
 1.0  
 ug/m3

152059-SV-SV21D  
 Y2495-05  
 04/26/07  
 AIR  
 1.0  
 ug/m3

	Lab	DV		Lab	DV		Lab	DV
	3.56	U		3.12			3.12	
	1.47	U		0.07	U		0.07	U
	1.53	U		0.08	U		0.08	U
	2.64	U		0.13	U		0.13	U
	2.02	U		0.1	U		0.1	U
	3.14	U		4.43	J		4.37	J
	0.59	U		0.03	U	J	0.03	U
	4.34	U		0.22	U		0.22	U
	3.82	U		1.07			1.22	
	2.28	U		0.11	U		0.11	U
	32	D		13.2			18.2	
	3.27	U		17.2			1.64	
	2.46	U		0.12	U		0.12	U
	1.58	U		0.08	U		0.08	U
	<b>78.3</b>	<b>D</b>		31.2			29.1	
	1.49	U		1.24			0.71	
	1.73	U		0.61			0.09	U
	1.04	U		1.81			2.4	
	1.51	U		0.08	U		0.08	U
	2.7	U		0.13	U		0.13	U
	2.81	U		0.14	U		0.14	U
	2.75	U		0.14	U		0.14	U
	2.08	U		0.1	U		0.1	U
	2.77	U		13.8			5.62	
	3.78	U		0.19	U		0.19	U
	2.7	U		0.13	U		0.13	U
	2.34	U		0.83	J		0.83	J
	3.96	U		0.19	U		0.19	U
	2.39	U		40.5	J		78.9	J
	3.53	U		0.62			0.17	U
	2.89	U		11.3			0.14	U
	1.6	U		5.9			2.58	
	2.43	U		0.12	U		0.12	U
	3.86	U		0.54	J		0.59	
	4.53	U		0.23	U		0.23	U
	5.37	U		0.27	U		0.27	U
	2.13	U		3.68	J		0.11	U
	18.1	D		11.3			4.36	
	2.27	U		0.11	U		0.11	U
	2.81	U		0.14	U		0.14	U
	5.98	U		0.29	U		0.29	U
	1.8	U		0.09	U	J	0.09	U
	6.47	U		0.32	U		0.32	U
	5.23	U		0.26	U		0.26	U
	133	D		40.4			79.2	

6.01	U	0.31	U	0.31	U
3.12	U	4.51		0.78	
5.64	U	11.7		1.6	
3.47	U	11.4		0.74	
3.74	U	0.19	U	0.43	J J
4.97	U	0.25	U	0.25	U
8.93	U	0.45	U	0.45	U
2.36	U	22.9		0.49	J
9.82	JD	35.3	J	0.98	J
1.47	U	13.7		0.07	U
2.65	U	0.13	U	0.13	U
4.09	U	0.2	U	0.2	U
5.05	U	0.25	U	0.25	U
6.96	U	0.35	U	0.35	U
8.97	U	0.45	U	0.45	U
1.77	U	0.09	U	0.09	U
14.1	JD	14.6		5.1	
2.88	U	0.14	U	0.14	U

285.32

316.86

242.96



0.31	U	<b>1.06</b>		6.01	U
0.16	U	<b>1.39</b>		3.12	U
0.87	J	<b>4.42</b>		5.64	U
0.48		<b>2.12</b>		3.47	U
0.19	U	<b>0.64</b>	J	3.74	U
0.25	U	<b>0.25</b>	U	4.97	U
0.45	U	<b>0.45</b>	U	8.93	U
0.83		<b>1.47</b>		2.36	U
1.91	J	<b>4.17</b>	J	3.53	U
0.49	J	<b>1.03</b>		1.47	U
0.13	U	<b>1.68</b>	J	2.65	U
0.2	U	<b>0.2</b>	U	4.09	U
0.25	U	<b>0.25</b>	U	5.05	U
0.35	U	<b>0.35</b>	U	6.96	U
0.45	U	<b>0.45</b>	U	8.97	U
0.09	U	<b>0.09</b>	U	1.77	U
17.6		<b>5.98</b>		2.53	U
0.14	U	<b>0.14</b>	U	2.88	U

85.64

653.26

594.5



## 152059-SV-SV3D

Y2495-08

04/26/07

AIR

1.0

ug/m3

## 152059-SV-SV3DDL

Y2495-08DL

04/26/07

AIR

20.0

ug/m3

## 152059-SV-SV31S

Y2495-09

04/26/07

AIR

1.0

ug/m3

	Lab	DV		Lab	DV		Lab	DV
	22		25.7	D		21.7		
	0.07	U	1.47	U		0.07	U	
	0.08	U	1.53	U		0.08	U	
	0.13	U	2.64	U		0.13	U	
	0.1	U	2.02	U		0.1	U	
	53.3		56	D		47.9		J
	0.03	U	0.59	U		0.03	U	J
	0.22	U	4.34	U		0.22	U	
	1.22		3.82	U		1.15		
	0.11	U	2.28	U		0.11	U	
	30.7		42.3	D		15.4		
	1.96		3.27	U		2.7		
	0.12	U	2.46	U		0.12	U	
	0.08	U	1.58	U		6.15		
	58.9	E	63.6	D		110	E	
	1.74		1.49	U		0.07	U	
	0.09	U	1.73	U		0.94		
	1.53		1.04	U		2.19		
	0.08	U	1.51	U		0.08	U	
	0.13	U	2.7	U		0.13	U	
	0.14	U	2.81	U		0.14	U	
	0.89		2.75	U		0.65		
	0.1	U	2.08	U		3.76		
	14.9		13.5	D		13.8		
	0.19	U	3.78	U		0.19	U	
	0.13	U	2.7	U		0.13	U	
	1.46		2.34	U		0.97		J
	0.19	U	3.96	U		0.19	U	
	291	E	329	D	J	308	E	J
	0.17	U	3.53	U		1.33		
	0.14	U	2.89	U		1.63		
	3.8		1.6	U		2.2		
	0.12	U	2.43	U		0.12	U	
	3.05		3.86	U		3.21		
	0.23	U	4.53	U		0.23	U	
	0.27	U	5.37	U		0.27	U	
	3.72		2.13	U		2.45		J
	5.57		3.31	U		8.39		
	0.11	U	2.27	U		0.11	U	
	0.14	U	2.81	U		0.14	U	
	0.29	U	5.98	U		0.29	U	
	1.68		1.8	U		0.09	U	J
	0.32	U	6.47	U		0.32	U	
	0.26	U	5.23	U		0.26	U	
	202	E	225	D		134		

<b>0.31</b>	<b>U</b>	6.01	U	<b>1.76</b>	
<b>2.17</b>		3.12	U	<b>1.78</b>	
<b>5.94</b>		5.64	U	<b>6.07</b>	
<b>2.9</b>		3.47	U	<b>3.03</b>	
<b>1.28</b>	J	3.74	U	<b>0.89</b>	J
<b>0.25</b>	<b>U</b>	4.97	U	<b>0.25</b>	<b>U</b>
<b>0.45</b>	<b>U</b>	8.93	U	<b>0.45</b>	<b>U</b>
<b>2.99</b>		2.36	U	<b>2.16</b>	
<b>7.9</b>	J	3.53	U	<b>6.28</b>	J
<b>1.72</b>		1.47	U	<b>1.37</b>	
<b>0.13</b>	<b>U</b>	2.65	U	<b>1.26</b>	J
<b>0.2</b>	<b>U</b>	4.09	U	<b>0.2</b>	<b>U</b>
<b>0.25</b>	<b>U</b>	5.05	U	<b>0.25</b>	<b>U</b>
<b>0.35</b>	<b>U</b>	6.96	U	<b>0.35</b>	<b>U</b>
<b>0.45</b>	<b>U</b>	8.97	U	<b>0.45</b>	<b>U</b>
<b>0.09</b>	<b>U</b>	1.77	U	<b>0.09</b>	<b>U</b>
<b>4.61</b>		2.53	U	<b>5.49</b>	
<b>0.14</b>	<b>U</b>	2.88	U	<b>0.14</b>	<b>U</b>

728.93

755.1

718.61

152059-SV-SV31SDL  
 Y2495-09DL  
 04/26/07  
 AIR  
 20.0  
 ug/m3

152059-SV-SV2S  
 Y2495-10  
 04/26/07  
 AIR  
 1.0  
 ug/m3

152059-SV-SV2D  
 Y2495-11  
 04/26/07  
 AIR  
 1.0  
 ug/m3

	Lab	DV		Lab	DV		Lab	DV
	25.7	D		4.31			4.45	
	1.47	U		0.07	U		0.07	U
	1.53	U		0.08	U		0.08	U
	2.64	U		0.13	U		0.13	U
	2.02	U		0.1	U		0.1	U
	56	D		7.23	J		7.51	J
	0.59	U		0.03	U	J	0.03	U
	4.34	U		0.22	U		0.22	U
	3.82	U		1.45			0.19	U
	2.28	U		0.11	U		0.11	U
	24.7	D		5.02			17	
	3.27	U		1.8			2.09	
	2.46	U		0.12	U		0.12	U
	1.58	U		4			6.3	
	136	D		27.6			43.9	
	1.49	U		1.12			1.87	
	1.73	U		1.22			0.09	U
	1.04	U		1.98			1.6	
	1.51	U		0.08	U		0.08	U
	2.7	U		0.13	U		0.13	U
	2.81	U		0.14	U		0.14	U
	2.75	U		0.14	U		0.14	U
	2.08	U		0.1	U		0.77	
	14.7	D		7.45			12	
	3.78	U		0.19	U		0.19	U
	2.7	U		0.13	U		0.13	U
	2.34	U		0.68	J		0.58	J
	3.96	U		0.19	U		0.19	U
	356	D	J	19.8	J		16.9	J
	3.53	U		0.8			0.17	U
	2.89	U		3.5			0.14	U
	1.6	U		2.04			3	
	2.43	U		0.12	U		0.12	U
	3.86	U		1.88			0.54	J
	4.53	U		0.23	U		0.23	U
	5.37	U		0.27	U		0.27	U
	2.13	U		3.72	J		2.74	J
	7.53	JD		5.87			7.94	
	2.27	U		0.11	U		0.11	U
	2.81	U		0.14	U		0.14	U
	5.98	U		0.29	U		0.29	U
	1.8	U		0.98	J		1.02	J
	6.47	U		0.32	U		0.32	U
	5.23	U		0.26	U		0.26	U
	145	D		25.1			20.3	

6.01	U	0.31	U	0.31	U
3.12	U	1.69		1.56	
5.64	U	5.94		4.12	
3.47	U	2.77		2.08	
3.74	U	0.43	J J	0.64	J
4.97	U	0.25	U	0.25	U
8.93	U	0.45	U	0.45	U
2.36	U	4.37		4.32	
3.53	U	8.74	J	7.61	J
1.47	U	2.55		2.5	
2.65	U	0.13	U	0.13	U
4.09	U	0.2	U	0.2	U
5.05	U	0.25	U	0.25	U
6.96	U	0.35	U	0.35	U
8.97	U	0.45	U	0.45	U
1.77	U	0.09	U	0.09	U
2.53	U	3.97		7.98	
2.88	U	0.14	U	0.14	U

765.63

158.01

181.32

**152059-SV-7S**

Y2495-12

04/26/07

AIR

1.0

ug/m3

**152059-SV-7D**

Y2495-13

04/26/07

AIR

1.0

ug/m3

**152059-SV-8S**

Y2495-14

04/26/07

AIR

1.0

ug/m3

	Lab	DV		Lab	DV		Lab	DV
2.92			2.97			3.56		
0.07	U		0.07	U		0.07	U	
0.08	U		0.08	U		0.08	U	
0.13	U		0.13	U		0.13	U	
0.1	U		0.1	U		0.1	U	
4.2		J	4.48		J	4.09		J
0.03	U	J	0.03	U	J	0.03	U	J
0.22	U		0.22	U		0.22	U	
0.19	U		1.07			1.53		
0.11	U		0.11	U		0.11	U	
3.71			7.52			18.8		
1.92			1.72			6.18		
0.12	U		0.12	U		0.12	U	
3.89			4.03			10.4		
21.5			39.8			89.3	E	
0.53			0.07	U		1.87		
0.09	U		0.09	U		0.09	U	
1.39			1.15			6.19		
0.08	U		0.08	U		0.08	U	
0.13	U		0.13	U		0.13	U	
0.14	U		0.14	U		0.14	U	
0.14	U		0.14	U		0.14	U	
0.1	U		0.6	J		1.04		
4.62			12.6			14.5		
0.19	U		0.19	U		1.39		
0.13	U		0.13	U		0.13	U	
0.97		J	2.38		J	6.96		J
0.19	U		0.19	U		0.19	U	
8.21		J	7.13		J	36.4		J
0.17	U		0.17	U		0.77		
0.79			0.14	U		2.94		
1.66			2.36			5.52		
0.12	U		0.12	U		0.12	U	
0.59			0.19	U		1.93		
0.23	U		0.23	U		0.23	U	
0.27	U		0.27	U		0.27	U	
0.11	U	J	1.02		J	3.11		J
7.19			4.74			79.9	E	J
0.11	U		0.11	U		0.11	U	
0.14	U		0.14	U		0.14	U	
0.29	U		0.29	U		0.29	U	
0.09	U	J	1.31		J	0.09	U	J
0.32	U		0.32	U		0.32	U	
0.26	U		0.26	U		0.26	U	
69.9			46.1			29.2		

0.31	U	0.31	U	<b>0.31</b>	<b>U</b>
6.07		1.13		<b>71.3</b>	
17.7		2.82		285	E
5.77		1.6		158	E
0.19	U	0.64	J	<b>3.02</b>	J
0.25	U	0.25	U	<b>0.25</b>	<b>U</b>
0.45	U	0.45	U	<b>0.45</b>	<b>U</b>
3.98		6.87		230	E
7.31	J	11.9	J	386	E J
2.01		3.83		<b>92.5</b>	
0.13	U	0.13	U	<b>0.13</b>	<b>U</b>
0.2	U	0.2	U	<b>0.2</b>	<b>U</b>
0.25	U	0.25	U	<b>0.25</b>	<b>U</b>
0.35	U	0.35	U	<b>0.35</b>	<b>U</b>
0.45	U	0.45	U	<b>0.45</b>	<b>U</b>
0.09	U	0.09	U	<b>0.09</b>	<b>U</b>
3.45		4.04		<b>8.65</b>	
0.14	U	0.14	U	<b>0.14</b>	<b>U</b>

180.28

173.81

1560.05



## 152059-SV-8SDL

Y2495-14DL

04/26/07

AIR

20.0

ug/m3

## 152059-SV-8D

Y2495-15

04/26/07

AIR

1.0

ug/m3

## 152059-SV-13S

Y2495-16

04/26/07

AIR

1.0

ug/m3

	Lab	DV		Lab	DV		Lab	DV
	3.56	U		3.46			2.82	
	1.47	U		0.07	U		0.07	U
	1.53	U		0.08	U		0.08	U
	2.64	U		0.13	U		0.13	U
	2.02	U		0.1	U		0.1	U
	3.14	U	J	4.37		J	2.75	J
	0.59	U	J	0.03	U	J	0.03	U
	4.34	U		0.22	U		0.22	U
	3.82	U		1.38			0.92	
	2.28	U		0.11	U		0.11	U
	21.3	D		27.7			11.9	
	3.27	U		2.25			3.07	
	2.46	U		0.12	U		0.12	U
	1.58	U		5.18			4.57	
	<b>74</b>	<b>D</b>		29.8			16.8	
	1.49	U		1.77			0.07	U
	1.73	U		0.09	U		0.09	U
	1.04	U		27.5			2.78	
	1.51	U		0.08	U		0.08	U
	2.7	U		0.13	U		0.13	U
	2.81	U		0.14	U		0.14	U
	2.75	U		0.14	U		0.14	U
	2.08	U		0.1	U		0.1	U
	13	D		4.18			3.3	
	3.78	U		1.89			0.19	U
	2.7	U		0.13	U		0.13	U
	2.34	U		21		J	0.49	J
	3.96	U		0.19	U		0.19	U
	27.2	D		33.9		J	1.74	J
	3.53	U		0.17	U		0.17	U
	2.89	U		0.14	U		1.77	
	1.6	U		3.09			2.42	
	2.43	U		0.12	U		0.12	U
	3.86	U		2.2			0.19	U
	4.53	U		0.23	U		0.23	U
	5.37	U		0.27	U		0.27	U
	2.13	U	J	1.02		J	0.11	U
	<b>53.4</b>	<b>D</b>		4.89		J	5.68	J
	2.27	U		0.11	U		0.11	U
	2.81	U		0.14	U		0.14	U
	5.98	U		0.29	U		0.29	U
	1.8	U	J	0.09	U	J	0.09	U
	6.47	U		0.32	U		0.32	U
	5.23	U		0.26	U		0.26	U
	25.8	D		25.3			3.39	

6.01	U	0.31	U	0.31	U
59.8	D	2.34		2.17	
<b>281</b>	<b>D</b>	6.63		5.55	
<b>146</b>	<b>D</b>	3.03		3.86	
3.74	U	0.77	J	62.9	J
4.97	U	0.25	U	0.25	U
8.93	U	0.45	U	0.45	U
<b>230</b>	<b>D</b>	3.14		11.1	
<b>646</b>	<b>D</b>	11.4	J	18	J
84.4	D	2.01		5.35	
2.65	U	0.13	U	0.13	U
4.09	U	0.2	U	0.2	U
5.05	U	0.25	U	0.25	U
6.96	U	0.35	U	0.35	U
8.97	U	0.45	U	0.45	U
1.77	U	0.09	U	0.09	U
2.53	U	4.61		4.12	
2.88	U	0.14	U	0.14	U

1661.9

234.81

177.45

**152059-SV-13D**

Y2495-17

04/26/07

AIR

1.0

ug/m3

**152059-SV-1S**

Y2495-18

04/26/07

AIR

1.0

ug/m3

**152059-SV-1D**

Y2495-19

04/26/07

AIR

1.0

ug/m3

	Lab	DV		Lab	DV		Lab	DV
2.97			3.02			2.87		
0.07	U		0.07	U		0.07	U	
0.08	U		0.08	U		0.08	U	
0.13	U		0.13	U		0.13	U	
0.1	U		0.1	U		0.1	U	
3.08		J	2.63		J	2.69		J
0.03	U	J	0.03	U	J	0.03	U	J
0.22	U		0.22	U		0.22	U	
1.15			1.07			1.3		
0.11	U		0.11	U		0.11	U	
18.2			6.27			7.23		
1.68			1.8			0.78		
0.12	U		0.12	U		0.12	U	
3.38			4.71			4.57		
41.2			24.1			34.8		
0.07	U		0.07	U		0.07	U	
0.09	U		0.09	U		0.09	U	
0.87			1.32			3.02		
0.08	U		0.08	U		0.08	U	
0.13	U		0.13	U		0.13	U	
0.14	U		0.14	U		0.14	U	
0.14	U		0.14	U		0.14	U	
0.1	U		0.1	U		0.64	J	
13.5			11.4			9.63		
0.19	U		0.19	U		0.19	U	
0.13	U		0.13	U		0.13	U	
0.68		J	0.68		J	0.97		J
0.19	U		0.19	U		0.19	U	
2.34		J	0.12	U		1.41		J
0.17	U		0.82			0.17	U	
0.14	U		1.31			0.14	U	
2.46			2.01			1.85		
0.12	U		0.12	U		0.12	U	
0.19	U		0.19	U		0.19	U	
0.23	U		0.23	U		0.23	U	
0.27	U		0.27	U		0.27	U	
2.33		J	3.52		J	1.39		J
4.44		J	8.35		J	3.65		J
0.11	U		0.11	U		0.11	U	
0.14	U		0.14	U		0.14	U	
0.29	U		0.29	U		0.29	U	
1.15		J	1.35		J	0.09	U	J
0.32	U		0.32	U		0.32	U	
0.26	U		0.26	U		0.26	U	
3.39			5.23			5.5		

0.31	U	0.31	U	0.31	U
0.69		2.6		0.91	
1.39		8.93		2.34	
0.65		3.47		1.95	
1.4	J	0.19	U	0.19	U
0.25	U	0.25	U	0.25	U
0.45	U	0.45	U	0.45	U
3.48		3.48		9.18	
6.77	J	7.46	J	16.5	J
1.47		2.21		4.86	
0.13	U	0.13	U	0.13	U
0.2	U	0.2	U	0.2	U
0.25	U	0.25	U	0.25	U
0.35	U	0.96	BU	0.35	U
0.45	U	1.17		0.45	U
0.09	U	0.09	U	0.09	U
3.41		3.55		3.41	
0.14	U	0.14	U	0.14	U

122.08

113.42

121.45

152059-OA-AA1

Y2495-20

04/26/07

AIR

1.0

ug/m3

	Lab	DV
3.02		
1.33		
0.08	U	
0.13	U	
0.1	U	
2.3		J
20.6		J
0.22	U	
1.3		
0.11	U	
0.09	U	
2.37		
0.12	U	
11.5		
32.4		
0.34		
0.09	U	
43		
0.08	U	
0.13	U	
0.14	U	
0.14	U	
1.31		
5.12		
0.63	J	
0.13	U	
0.12	U	
0.19	U	
0.12	U	
0.17	U	
0.84		
1.24		
0.12	U	
0.75		
0.23	U	
0.27	U	
6.87		J
27.7		J
0.11	U	
0.14	U	
0.29	U	
0.09	U	J
0.32	U	
0.26	U	
1.43		

0.31	U
1.95	
6.11	
2.25	
1.74	J
0.25	U
0.45	U
0.79	
2.01	J
0.64	
0.13	U
0.2	U
0.25	U
0.35	U
0.45	U
0.09	U
9.5	
0.14	U

189.04









































