

**REMEDIAL ACTION REPORT**  
*(Volume 2: Appendix G -  
Topsoil, Clean Fill)*

**FOR**

**PEERLESS PHOTO PRODUCTS SITE  
ROUTE 25A AND RANDALL RD.  
SUFFOLK COUNTY  
SHOREHAM, NEW YORK  
(SITE NO.: 1-52-031)**

**ATC PROJECT NO. 68.28817.0001**

**JUNE 20, 2007**

**Prepared for:**

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**DATA USABILITY REPORT**  
**ACCUTEST CASE NO. J26131**

**DATA USABILITY SUMMARY REPORT**

**FOR**

**PEERLESS PHOTO PRODUCTS  
SHORHAM, NEW YORK  
MARCH 2006**

**REPORTED JULY 2006**

**ATC PROJECT NO. 68.28817.0001**

**PREPARED BY**

*Mark Traxler*

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**MARK TRAXLER  
SENIOR QUALITY ASSURANCE SCIENTIST**



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The following Data Usability Summary Report (DUSR) was conducted by the ATC Associates Inc. Environmental Chemistry and Quality Assurance Department. This report has concluded that the following analytical data, with the use of the stated qualifications, generated in the sampling event of March 27, 2006 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.



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Mark Traxler  
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY  
ORGANICS AND INORGANICS  
PEERLESS PHOTO PRODUCTS SITE  
MARCH 2006**

## **1.0 INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared in accordance with the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. This DUSR has been developed from a full NYSDEC Analytical Services Protocol (ASP) Category B deliverables package.

This DUSR addresses the organics and inorganics results from the March 27, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case J26131 included a total of two (2) soil samples, including one (1) set of field duplicate samples, for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semivolatile Organic Compounds (SVOCs), TCL Organochlorine Pesticides, TCL Polychlorinated Biphenyls (PCBs), Target Analyte List (TAL) Metals and Cyanide analyses.

The findings offered in this DUSR are based upon a general review of sample data, holding times, initial and continuing calibration verification results, GC/MS tuning, surrogate recoveries, contract required detection limit (CRDL) standard results, blank contamination results, inductively coupled plasma (ICP) interference check sample results, spike sample results, laboratory and field duplicate results, and laboratory control sample results. Samples in this report were analyzed by Accutest Laboratories (Accutest), Dayton, New Jersey following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 8260B, 8270C, 8081A, 8082, 6010B, 7471A and 9012. The quality assurance review of the data described was prepared according to EPA's *National Functional Guidelines for Inorganic Data Review, Final*, (EPA 540-R-04-004) dated October 2004, where applicable to SW-846 Methods. Method protocol criteria were also considered as prescribed by SW-846.

The analytical data deliverables for Case J26131 consist of NYSDCE ASP Category B reporting forms and raw data for each analysis, which includes instrument printouts, notebook pages, and chain-of-custody (COC) documents.

The data summary tables list the organics and inorganics that were analyzed. Appendix A provides the sample results as reported by the laboratory, along with a copy of the associated COC documentation. The support documentation in Appendix B summarizes

the specific issues raised in this review. Analytical problems that were encountered were outlined in the Findings/Qualifiers section.

The following components of the data package were reviewed for completeness:

- Sample chain-of-custody form;
- Case narrative;
- Summary forms and supporting documents;
- Calibration data;
- Instrument and method performance data;
- Data report forms, preparation logs and run logs; and
- Raw analytical data.

The following items of the data package were reviewed for compliance:

- The data package is complete, as defined above;
- The data has been produced and reported in a manner consistent with the requirements of the Quality Assurance Project Plan (QAPP);
- The QAPP-defined quality assurance (QA) and quality control (QC) criteria have been met;
- Instrument calibration requirements have been met for the time frame during which the analyses were completed;
- Initial and Continuing calibration data are presented and documented;
- Data reporting forms are complete; and
- Problems encountered during the analytical process have been reported in the case narrative.

## **2.0 LABORATORY DATA PACKAGE**

The data package that was received from Accutest was paginated, complete and overall was of good quality. Comments on specific QA/QC issues and other requirements are discussed in detail in this report.

The samples were collected and properly preserved on March 27, 2006, and delivered under a chain of custody record to Accutest on March 28, 2006. All samples were received intact and in good condition at Accutest.

the specific issues raised in this review. Analytical problems that were encountered were outlined in the Findings/Qualifiers section.

The following components of the data package were reviewed for completeness:

- Sample chain-of-custody form;
- Case narrative;
- Summary forms and supporting documents;
- Calibration data;
- Instrument and method performance data;
- Data report forms, preparation logs and run logs; and
- Raw analytical data.

The following items of the data package were reviewed for compliance:

- The data package is complete, as defined above;
- The data has been produced and reported in a manner consistent with the requirements of the Quality Assurance Project Plan (QAPP);
- The QAPP-defined quality assurance (QA) and quality control (QC) criteria have been met;
- Instrument calibration requirements have been met for the time frame during which the analyses were completed;
- Initial and Continuing calibration data are presented and documented;
- Data reporting forms are complete; and
- Problems encountered during the analytical process have been reported in the case narrative.

## **2.0 LABORATORY DATA PACKAGE**

The data package that was received from Accutest was paginated, complete and overall was of good quality. Comments on specific QA/QC issues and other requirements are discussed in detail in this report.

The samples were collected and properly preserved on March 27, 2006, and delivered under a chain of custody record to Accutest on March 28, 2006. All samples were received intact and in good condition at Accutest.

### **3.0 FINDINGS/QUALIFIERS**

#### **3.1 TCL Volatile Organic Compounds**

The following TCL VOCs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip/field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits

It is recommended that Case J26131 VOCs results be used with the following qualifiers:

1. No MS and MSD spikes were analyzed on site-specific samples. Batch QC was performed for this set of samples. There were many MS/MSD outliers and RPD outliers in the batch QC sample due to matrix interference. However, since there were no positive detected VOCs, no data were qualified.
2. There were no field blank samples associated with this batch. No data were qualified due to field blank results.

#### **3.2 TCL Semivolatile Organic Compounds**

The following TCL SVOCs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- GC/MS instrument performance
- Sample result verification and identification



- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits

It is recommended that Case J26131 SVOCs results be used with the following qualifiers:

1. All results that were above the Instrument Detection Limit (IDL) but less than the CRDL were flagged by the laboratory with a "J". Since these values were less than the CRDL, the results were qualified as estimated (J).
2. No MS and MSD sample spikes were analyzed on site-specific samples. Batch QC was performed for this set of samples. All recoveries were within the QC limits.
3. There were no field blank samples associated with this batch. No data were qualified due to field blank results.
4. The field duplicate sample associated with this batch was analyzed outside of the technical holding time at the client's request (on Day 16, which exceeds the technical holding time for extraction by 2 days). No data were qualified due to the holding time on the field duplicate sample.

### **3.3 TCL Organochlorine Pesticides**

The following TCL organochlorine pesticides analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- Sample result verification and identification
- Initial calibrations
- Performance evaluation mixtures
- Field duplicate precision
- Quantitation limits

It is recommended that Case J26131 TCL organochlorine pesticides results be used with the following qualifiers:

1. Batch QC was performed for this set of samples. All recoveries were within the QC limits.
2. There were no field blank samples associated with this batch. No data were qualified due to field blank results.
3. The field duplicate sample associated with this batch was analyzed outside of the technical holding time at the client's request (on Day 16, which exceeds the technical holding time for extraction by 2 days). No data were qualified due to the holding time on the field duplicate sample.

### **3.4 TCL Polychlorinated Biphenyls**

The following TCL PCBs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- Sample result verification and identification
- Initial calibrations
- Field duplicate precision
- Quantitation limits

It is recommended that Case J26131 TCL PCBs results be used with the following qualifiers:

1. Batch QC was performed for this set of samples. All recoveries were within the QC limits.
2. There were no field blank samples associated with this batch. No data were qualified due to field blank results.
3. The field duplicate sample associated with this batch was analyzed outside of the technical holding time at the client's request (on Day 16, which exceeds the technical holding time for extraction by 2 days). No data were qualified due to the holding time on the field duplicate sample.

### 3.5 TAL Metals and Cyanide

The following TAL Metals and Cyanide analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Initial and continuing calibrations
- Contract Required Quantitation Limit (CRQL) check sample
- Laboratory preparation blanks and field blanks
- Inductively coupled plasma (ICP) interference check sample
- Matrix spike (MS) and matrix spike duplicate (MSD) recoveries
- MS/MSD precision
- Field duplicate precision
- Laboratory control sample recoveries
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits

It is recommended that Case J26131 TAL Metals and Cyanide results be used with the following qualifiers:

1. There were no field blank samples associated with this batch. No data were qualified due to field blank results.
2. The MS percent recovery for antimony, calcium and magnesium exceeded the control limits of 75-125% (53.7, 61.1 and 66.3%, respectively). The spike recovery indicates possible matrix interference or sample non-homogeneity. Antimony, calcium and magnesium data were reported flagged "N" on the "Matrix Spike and Duplicate Results Summary" form by the laboratory. The sample was not post spiked and reanalyzed for these compounds. All associated antimony, calcium and magnesium results were qualified as estimated and may be biased low (J-).
3. The MSD percent recovery for antimony, calcium magnesium and mercury exceeded the control limits of 75-125% (52.0, 36.2, 71.0 and 129.5%, respectively). The spike recovery indicates possible matrix interference or sample non-homogeneity. Antimony, calcium magnesium and mercury data were reported flagged "N" on the "Matrix Spike and Duplicate Results Summary" form by the laboratory. The sample was not post spiked and reanalyzed for these compounds. All associated antimony, calcium and magnesium results were qualified as estimated and may be biased low (J-). All associated mercury results were qualified as estimated and may be biased high (J+).

4. The MS/MSD relative percent difference (RPD) for lead exceeded the control limit of 20% (21.2%). The MS/MSD RPD indicates possible matrix interferences or sample non-homogeneity. All associated lead results were qualified as estimated (J).
5. The field duplicate RPD for chromium exceeded the technical limit of 20% and the project control limit of 35% (42.8%). The field duplicate RPD indicates possible matrix interferences or sample non-homogeneity. All associated chromium results were qualified as estimated (J).
6. The ICP serial dilution exceeded the control limit of 10% difference for cadmium, selenium, sodium and cobalt (100, 100, 100 and 11.7%, respectively) on sample BOVE1. However, since the original values of cadmium, selenium, sodium and cobalt were less than 50 times the IDL, the ICP serial dilution for cadmium, selenium, sodium and cobalt were acceptable. No qualification of data was deemed necessary due to the ICP serial dilution results.

#### **4.0 SUMMARY**

The organics and inorganics results are acceptable as qualified. Holding times, initial and continuing calibration verification results, GC/MS tuning performance, surrogate recoveries, CRDL check sample results, continuing calibration blank results, laboratory preparation blank results, blank sample results, ICP interference check sample results, matrix spike recoveries, laboratory duplicates, field duplicates, laboratory control sample results, and ICP serial dilution results were within acceptance limits. Sample results were properly verified and identified, along with the appropriate quantitation limits.

This review has identified low antimony, calcium and magnesium MS and MSD results and high mercury MSD results; high lead MS/MSD RPD results; and high chromium field duplicate RPD results as areas of concern. The data has been qualified accordingly on the data summary table. For specifics relating to this review, see the attached documentation in Appendix B.

### QUALIFIER CODES – TCL VOCs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **3/27/2006**

Soil samples in ug/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J26131**  
 Fraction/Method **CLP Volatiles**

Sample Description or Location	BOVE1	BOVE1 DUP											
Sample Number	J26131-3	J26131-3A											
Matrix	Soil	Soil											
% Solids	87.9	88.6											
Dilution Factor	1	1											
Sampling Date	3/27/2006	3/27/2006											
CRQL	Comments												
10	chloromethane	U	U										
10	bromomethane	U	U										
10	vinyl chloride	U	U										
10	chloroethane	U	U										
10	methylene chloride	U	U										
10	acetone	U	U										
10	carbon disulfide	U	U										
10	1,1-dichloroethene	U	U										
10	1,1-dichloroethane	U	U										
10	1,2-dichloroethene (total)	U	U										
10	chloroform	U	U										
10	1,2-dichloroethane	U	U										
10	2-butanone	U	U										
10	1,1,1-trichloroethane	U	U										
10	carbon tetrachloride	U	U										
10	bromodichloromethane	U	U										
10	1,2-dichloropropane	U	U										
10	cis-1,3-dichloropropene	U	U										
10	trichloroethene	U	U										
10	dibromochloromethane	U	U										
10	1,1,2-trichloroethane	U	U										
10	benzene	U	U										
10	trans-1,3-dichloropropene	U	U										
10	bromoform	U	U										

DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **3/27/2006**

Soil samples In ug/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J26131**  
 Fraction/Method **CLP Volatiles**

Sample Description or Location	BOVE1	BOVE1 DUP											
Sample Number	J26131-3	J26131-3A											
Matrix	Soil	Soil											
% Solids	87.9	88.6											
10 4-methyl-2-pentanone		U		U									
10 2-hexanone		U		U									
10 tetrachloroethene		U		U									
10 1,1,2,2-tetrachloroethane		U		U									
10 toluene		U		U									
10 chlorobenzene		U		U									
10 ethylbenzene		U		U									
10 styrene		U		U									
10 xylenes (total)		U		U									
Surrogate Recovery, %													
dibromofluoromethane	87			90									
1,2-dichloroethane-d4	89			91									
toluene-d8	93			91									
4-bromofluorobenzene	99			101									

### QUALIFIER CODES – TCL SVOCs

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- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.



DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 3/27/2006

Soil samples in ug/kg  
 Aqueous samples in ug/L

Laboratory Acculest  
 Case/Order # J26131  
 Fraction/Method CLP Semivolatiles

		Sample Description or Location	BOVE1	BOVE1 DUP											
		Sample Number	J26131-3	J26131-3A											
		Matrix	Soil	Soil											
		Percent Solids	87.9	88.6											
		Dilution Factor	1	1											
AQ	SOIL	Sampling Date	3/27/2006	3/27/2006											
RL	RL	Comments													
10	67	bis(2-chloroisopropyl)ether	U	U											
10	67	1,2-dichlorobenzene	U	U											
10	67	1,3-dichlorobenzene	U	U											
10	67	1,4-dichlorobenzene	U	U											
10	170	phenol	U	U											
10	67	bis(2-chloroethyl)ether	U	U											
10	170	2-chlorophenol	U	U											
10	170	2-methylphenol	U	U											
10	170	3&4-methylphenol	U	U											
10	170	N-nitroso-di-n-propylamine	U	U											
10	170	hexachloroethane	U	U											
10	67	nitrobenzene	U	U											
10	67	isophorone	U	U											
10	170	2-nitrophenol	U	U											
10	170	2,4-dimethylphenol	U	U											
10	67	bis(2-chloroethoxy)methane	U	U											
10	170	2,4-dichlorophenol	U	U											
10	67	1,2,4-trichlorobenzene	U	U											
10	67	naphthalene	U	U											
10	170	4-chloroaniline	U	U											

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 3/27/2006

Soil samples in ug/kg  
 Aqueous samples in ug/L

Laboratory Accutest  
 Case/Order # J26131  
 Fraction/Method CLP Semivolatiles

Sample Description or Location		BOVE1	BOVE1 DUP														
Sample Number		J26131-3	J26131-3A														
10	67	hexachlorobutadiene	U	U													
10	170	4-chloro-3-methylphenol	U	U													
10	67	2-methylnaphthalene	U	U													
10	670	hexachlorocyclopentadiene	U	U													
10	170	2,4,6-trichlorophenol	U	U													
25	170	2,4,5-trichlorophenol	U	U													
10	67	2-chloronaphthalene	U	U													
25	170	2-nitroaniline	U	U													
10	67	dimethyl phthalate	U	U													
10	67	acenaphthylene	U	U													
10	67	2,6-dinitrotoluene	U	U													
25	170	3-nitroaniline	U	U													
10	67	acenaphthene	U	U													
25	670	2,4-dinitrophenol	U	U													
25	670	4-nitrophenol	U	U													
10	67	dibenzofuran	U	U													
10	67	2,4-dinitrotoluene	U	U													
10	67	diethyl phthalate	U	330													
10	67	4-chlorophenyl-phenyl ether	U	U													
10	67	fluorene	U	U													
25	170	4-nitroaniline	U	U													

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **3/27/2006**

Soil samples in ug/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J26131**  
 Fraction/Method **CLP Semivolatiles**

Sample Description or Location	BOVE1	BOVE1 DUP																
Sample Number	J26131-3	J26131-3A																
25 670 4,6-dinitro-2-methylphenol		U		U														
10 170 n-nitrosodiphenylamine		U		U														
10 67 4-bromophenyl-phenyl ether		U		U														
10 67 hexachlorobenzene		U		U														
25 670 pentachlorophenol		U		U														
10 67 phenanthrene	203		237															
10 67 anthracene	47.1 J	J	48.2 J	J														
10 67 carbazole	27.3 J	J	48.2 J	J														
10 67 di-n-butyl phthalate		U		U														
10 67 fluoranthene	425		388															
10 67 pyrene	372		530															
10 67 butyl benzyl phthalate		U		U														
10 170 3,3'-dichlorobenzidine		U		U														
10 67 benzo(a)anthracene	212		227															
10 67 chrysene	258		293															
10 67 bis(2-ethylhexyl) phthalate	106		75.7 J	J														
10 67 di-n-octyl phthalate		U		U														
10 67 benzo(b)fluoranthene	231		276	U														
10 67 benzo(k)fluoranthene	227		259															
10 67 benzo(a)pyrene	244		251															
10 67 indeno(1,2,3-cd)pyrene	65.5 J	J	144															
10 67 dibenz(a,h)anthracene	33.5 J	J	27.2 J	J														
10 67 benzo(g,h,i)-perylene	60.6 J	J	124															
Surrogate Recovery, %																		
nitrobenzene-d5	70		56															
2-fluorobiphenyl	83		69															
4-terphenyl-d14	82		75															
phenol-d5	83		55															
2-fluorophenol	73		41															
2,4,6-tribromophenol	113		78															

## QUALIFIER CODES – TCL PESTICIDES

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL PESTICIDES

Site Name **Pearless Photo Products**  
 Project Number **66.28817.0001**  
 Sampling Date(s) **3/27/2006**

Soil samples in ug/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J26131**  
 Fraction/Method **CLP Pesticides**

Sample Description or Location	BOVE1	BOVE1-DUP																
Sample Number	J26131-3	J26131-3A																
Matrix	Soil	Soil																
Percent Solids	87.9	86.6																
Dilution Factor	1	1																
Sampling Date	3/27/2006	3/27/2006																
RL	Comments																	
1.5	aldrin		U		U													
1.5	alpha-BHC		U		U													
1.5	beta-BHC		U		U													
1.5	delta-BHC		U		U													
1.5	gamma-BHC (Lindane)		U		U													
1.5	alpha-chlordane	25.1		26.0														
1.5	gamma-chlordane	28.0		23.8														
1.5	dieldrin	8.7		8.5														
6.0	4,4'-DDD	112		92.8														
6.0	4,4'-DDE	172		138														
6.0	4,4'-DDT	200		164														
1.5	endrin		U		U													
1.5	endosulfan sulfate	5.7		5.5														
1.5	endrin aldehyde		U		U													
1.5	endosulfan-I		U		U													
1.5	endosulfan-II	3.8		3.9														
1.5	heptachlor		U		U													
1.5	heptachlor epoxide		U		U													
3.7	methoxychlor		U		U													
3.7	endrin ketone		U		U													
19	toxaphene		U		U													
	Surrogate Recovery, %																	
	tetrachloro-m-xylene	94		86														
	tetrachloro-p-xylene	98		102														
	decachlorobiphenyl	83		87														
	decachlorobiphenyl	85		85														

## QUALIFIER CODES – TCL PCBs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL POLYCHLORINATED BIPHENYLS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 3/27/2006

Laboratory Accutest  
 Case/Order # J26131  
 Soil samples in ug/kg  
 Aqueous samples in ug/L  
 Fraction/Method CLP PCBs

Sample Description or Location	BOVE1	APC11-SR-09											
Sample Number	J26131-3	J26131-3A											
Matrix	Soil	Soil											
Percent Solids	87.9	86.6											
Dilution Factor	1	1											
Sampling Date	3/27/2006	3/27/2006											
RL Comments													
33 Aroclor 1016		U		U									
33 Aroclor 1221		U		U									
33 Aroclor 1232		U		U									
33 Aroclor 1242		U		U									
33 Aroclor 1248		U		U									
33 Aroclor 1254		U		U									
33 Aroclor 1260		U		U									
Surrogate Recovery, %													
tetrachloro-m-xylene	82			101									
tetrachloro-m-xylene	89			106									
decachlorobiphenyl	78			93									
decachlorobiphenyl	80			91									

## QUALIFIER CODES – TAL METALS

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ - The result is an estimated quantity, but the result may be biased high.
- J- - The result is an estimated quantity, but the result may be biased low.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.



DATA SUMMARY - INORGANIC ANALYTES

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **3/27/2006**

Soil in mg/kg

Laboratory **Accutest**  
 Case/Order # **J26131**  
 Fraction/Method **TAL Metals - SW-846 3010A/6010B**

Sample Location or Description	BOVE1	BOVE1-DUP																	
Sample Number	J26131-3	J26131-3A																	
Sampling Date	3/27/2006	3/27/2006																	
IDL/CRQL	P	Hg																	
20	Aluminum	X	5,910		6,050														
2.0	Antimony	X		UJ		UJ													
2.0	Arsenic	X	6.8		6.5														
20	Barium	X	28.0		26.2														
0.50	Beryllium	X		U		U													
0.50	Cadmium	X		U		U													
500	Calcium	X	4,950	J-	4,790	J-													
1.0	Chromium	X	9.0	J	13.9	J													
5	Cobalt	X		U		U													
2.5	Copper	X	15.7		14.5														
10	Iron	X	7,430		7,910														
2.0	Lead	X	44.4		43.3														
500	Magnesium	X	2,420	J-	2,380	J-													
1.5	Manganese	X	97.8		98.6														
0.03	Mercury	X	0.070	J+	0.070	J+													
4.0	Nickel	X	5.6		5.6														
500	Potassium	X		U		U													
2.0	Selenium	X		U		U													
1.0	Silver	X		U		U													
500	Sodium	X		U		U													
1.0	Thallium	X		U		U													
5.0	Vanadium	X	14.5		16.1														
2.0	Zinc	X	65.3		59.4														
0.25	Cyanide			U		U													

**APPENDIX A**



## CASE NARRATIVE / CONFORMANCE SUMMARY

Client: ATC Associates, Inc.

Job No J26131

Site: AGFA-Peerless, Shorham, NY

Report Date 4/26/2006 8:48:30 AM

2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 03/27/2006 and were received at Accutest on 03/28/2006 properly preserved, at 5.6 Deg. C and intact. These Samples received an Accutest job number of J26131. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VV2192

- All samples were analyzed within the recommended method holding time.
- Sample(s) J26810-3MS, J26810-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropane, 4-Methyl-2-pentanone(MIBK), Benzene, Bromodichloromethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroform, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Methylene chloride, Styrene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Xylene (total) are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropane, 4-Methyl-2-pentanone(MIBK), Acetone, Benzene, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroform, Chloromethane, cis-1,2-Dichloroethene, Ethylbenzene, Styrene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, Xylene (total), cis-1,3-Dichloropropene, Dibromochloromethane, Methylene chloride, trans-1,3-Dichloropropene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for cis-1,3-Dichloropropene, Dibromochloromethane, Methylene chloride, trans-1,3-Dichloropropene are outside control limits for sample J26810-3MSD. Outside control limits due to matrix interference.

### Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP23178

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J26357-1MS, J26357-1MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: OP23254

- All samples were analyzed within the recommended method holding time.
- Sample(s) J26908-9MS, J26908-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were extracted outside of holding time for method SW846 8270C: J26131-3A Sample extracted outside the holding time per client's request.
- J26131-3A: Confirmation run.
- J26131-3A: Sample extracted outside the holding time per client's request.

### Extractables by GC By Method SW846 8081A

Matrix: SO

Batch ID: OP23246

- All samples were analyzed within the recommended method holding time.
- Sample(s) J27255-5MS, J27255-5MSD, OP23246-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were extracted outside of holding time for method SW846 8081A: J26131-3A Sample extracted outside the holding time per client's request.
- J26131-3A: Sample extracted outside the holding time per client's request.
- J26131-3A: Sample extracted outside the holding time per client's request.
- J26131-3A for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.
- J26131-3 for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.

### Extractables by GC By Method SW846 8082

Matrix: SO

Batch ID: OP23180

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J26131-1MS, J26131-1MSD, OP23180-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- J26131-1: for QC MS/MSD purpose only.

Matrix: SO

Batch ID: OP23249

- All samples were analyzed within the recommended method holding time.
- Sample(s) J27194-3MS, J27194-3MSD, OP23249-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were extracted outside of holding time for method SW846 8082: J26131-3A Sample extracted outside the holding time per client's request.
- J26131-3A: Sample extracted outside the holding time per client's request.
- OP23249-BS1 for Aroclor 1260: Reported from 2nd signal. %D of check calibration on 1st signal exceed method criteria (15%) so using for confirmation only.

### Metals By Method SW846 6010B

Matrix: SO

Batch ID: MP33923

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J26131-3MS, J26131-3MSD, J26131-3SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Calcium, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Calcium, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for MSD for Lead are outside control limits for sample MP33923-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cadmium, Cobalt, Selenium, Sodium are outside control limits for sample MP33923-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

### Metals By Method SW846 7471A

Matrix: SO

Batch ID: MP33949

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J26131-3MS, J26131-3MSD were used as the QC samples for metals.

### Wet Chemistry By Method ASTM 4643-00

Matrix: SO

Batch ID: GN89629

- The data for ASTM 4643-00 meets quality control requirements.

### Wet Chemistry By Method EPA 160.3 M

Matrix: SO

Batch ID: GN89506

- The data for EPA 160.3 M meets quality control requirements.

Matrix: SO

Batch ID: GN89542

- The data for EPA 160.3 M meets quality control requirements.

### Wet Chemistry By Method SW846 9012 M

Matrix: SO

Batch ID: GP32836

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J26131-3DUP, J26131-3MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J26131).

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

Project Number: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Customer Sample Code	Laboratory Sample ID	Analytical Requirements						
		VOA GC/MS Method 8260	BNA GC/MS Method 8270C	Pest GC Method 8081	PCB GC Method 8082	GC Method 8015	Metals	Other CN
BOVEI BOVE TOPSOIL	J26131-3	X	X	X	X		X	X
BOVEI BOVE TOPSOIL	J26131-3A	X	X	X	X		X	X

## Report of Analysis

<b>Client Sample ID:</b>	BOVE1 BOVE TOPSOIL	
<b>Lab Sample ID:</b>	J26131-3	<b>Date Sampled:</b> 03/27/06
<b>Matrix:</b>	SO - Soil	<b>Date Received:</b> 03/28/06
<b>Method:</b>	SW846 8260B	<b>Percent Solids:</b> 87.9
<b>Project:</b>	AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V57040.D	1	04/08/06	GTT	n/a	n/a	VV2192
Run #2							

Run #	Initial Weight
Run #1	4.9 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	3.3	ug/kg	
71-43-2	Benzene	ND	1.2	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.53	ug/kg	
75-25-2	Bromoform	ND	5.8	0.50	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.64	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.0	ug/kg	
67-66-3	Chloroform	ND	5.8	0.68	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.54	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.64	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.63	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.79	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.64	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.52	ug/kg	
591-78-6	2-Hexanone	ND	5.8	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.80	ug/kg	
100-42-5	Styrene	ND	5.8	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.96	ug/kg	
108-88-3	Toluene	ND	1.2	0.63	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.69	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.62	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.60	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b>	BOVE1 BOVE TOPSOIL	
<b>Lab Sample ID:</b>	J26131-3	<b>Date Sampled:</b> 03/27/06
<b>Matrix:</b>	SO - Soil	<b>Date Received:</b> 03/28/06
<b>Method:</b>	SW846 8260B	<b>Percent Solids:</b> 87.9
<b>Project:</b>	AGFA-Peerless, Shorham, NY	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.8	0.75	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-120%
17060-07-0	1,2-Dichloroethane-D4	89%		61-133%
2037-26-5	Toluene-D8	93%		75-123%
460-00-4	4-Bromofluorobenzene	99%		65-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	BOVE1 BOVE TOPSOIL	
Lab Sample ID:	J26131-3	Date Sampled: 03/27/06
Matrix:	SO - Soil	Date Received: 03/28/06
Method:	SW846 8270C SW846 3550B	Percent Solids: 87.9
Project:	AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B76565.D	1	04/10/06	WHS	04/06/06	OP23178	EB2137
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	48	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	63	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	97	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	760	57	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	760	33	ug/kg	
95-48-7	2-Methylphenol	ND	190	37	ug/kg	
	3&4-Methylphenol	ND	190	54	ug/kg	
88-75-5	2-Nitrophenol	ND	190	47	ug/kg	
100-02-7	4-Nitrophenol	ND	760	51	ug/kg	
87-86-5	Pentachlorophenol	ND	760	42	ug/kg	
108-95-2	Phenol	ND	190	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	57	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	32	ug/kg	
83-32-9	Acenaphthene	ND	76	19	ug/kg	
208-96-8	Acenaphthylene	ND	76	15	ug/kg	
120-12-7	Anthracene	47.1	76	15	ug/kg	J
56-55-3	Benzo(a)anthracene	212	76	18	ug/kg	
50-32-8	Benzo(a)pyrene	244	76	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	231	76	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	60.6	76	21	ug/kg	J
207-08-9	Benzo(k)fluoranthene	227	76	28	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	29	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	53	ug/kg	
106-47-8	4-Chloroaniline	ND	190	23	ug/kg	
86-74-8	Carbazole	27.3	76	15	ug/kg	J
218-01-9	Chrysene	258	76	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	24	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	19	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	76	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	BOVE1 BOVE TOPSOIL		<b>Date Sampled:</b>	03/27/06
<b>Lab Sample ID:</b>	J26131-3		<b>Date Received:</b>	03/28/06
<b>Matrix:</b>	SO - Soil		<b>Percent Solids:</b>	87.9
<b>Method:</b>	SW846 8270C SW846 3550B			
<b>Project:</b>	AGFA-Peerless, Shorham, NY			

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	76	17	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	76	20	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	76	16	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	76	44	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	76	43	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	36	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	33.5	76	20	ug/kg	J
132-64-9	Dibenzofuran	ND	76	18	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	24	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	32	ug/kg	
84-66-2	Diethyl phthalate	ND	76	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	106	76	48	ug/kg	
206-44-0	Fluoranthene	425	76	13	ug/kg	
86-73-7	Fluorene	17.6	76	15	ug/kg	J
118-74-1	Hexachlorobenzene	ND	76	22	ug/kg	
87-68-3	Hexachlorobutadiene	ND	76	25	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	760	27	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	65.5	76	24	ug/kg	J
78-59-1	Isophorone	ND	76	19	ug/kg	
91-57-6	2-Methylnaphthalene	ND	76	25	ug/kg	
88-74-4	2-Nitroaniline	ND	190	24	ug/kg	
99-09-2	3-Nitroaniline	ND	190	29	ug/kg	
100-01-6	4-Nitroaniline	ND	190	26	ug/kg	
91-20-3	Naphthalene	ND	76	21	ug/kg	
98-95-3	Nitrobenzene	ND	76	26	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	24	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	16	ug/kg	
85-01-8	Phenanthrene	203	76	17	ug/kg	
129-00-0	Pyrene	372	76	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	76	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		33-105%
4165-62-2	Phenol-d5	83%		34-110%
118-79-6	2,4,6-Tribromophenol	113%		33-124%
4165-60-0	Nitrobenzene-d5	70%		26-113%
321-60-8	2-Fluorobiphenyl	83%		40-106%

ND = Not detected MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	BOVE1 BOVE TOPSOIL		Date Sampled:	03/27/06
Lab Sample ID:	J26131-3		Date Received:	03/28/06
Matrix:	SO - Soil		Percent Solids:	87.9
Method:	SW846 8270C SW846 3550B			
Project:	AGFA-Peerless, Shorham, NY			

## ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	82%		35-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.77	290	ug/kg	J
	system artifact/aldol-condensation	5.55	73000	ug/kg	J
	unknown	20.21	210	ug/kg	J
	unknown	22.13	160	ug/kg	J
	Total TIC, Semi-Volatile		370	ug/kg	J

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL	
<b>Lab Sample ID:</b> J26131-3	<b>Date Sampled:</b> 03/27/06
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 03/28/06
<b>Method:</b> SW846 8081A SW846 3545	<b>Percent Solids:</b> 87.9
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G09473.D	1	04/12/06	JSE	04/06/06	OP23246	G2G382
Run #2	2G09480.D	4	04/12/06	JSE	04/06/06	OP23246	G2G383

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

**Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.54	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.14	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.67	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.11	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.37	ug/kg	
5103-71-9	alpha-Chlordane <sup>a</sup>	25.1	1.5	0.50	ug/kg	
5103-74-2	gamma-Chlordane	28.0	1.5	0.19	ug/kg	
60-57-1	Dieldrin	8.7	1.5	0.26	ug/kg	
72-54-8	4,4'-DDD	112 <sup>b</sup>	6.0	1.0	ug/kg	
72-55-9	4,4'-DDE	172 <sup>b</sup>	6.0	1.2	ug/kg	
50-29-3	4,4'-DDT	200 <sup>b</sup>	6.0	1.1	ug/kg	
72-20-8	Endrin	ND	1.5	0.17	ug/kg	
1031-07-8	Endosulfan sulfate	5.7	1.5	0.24	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.25	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.14	ug/kg	
33213-65-9	Endosulfan-II	3.8	1.5	0.43	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.094	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.23	ug/kg	
72-43-5	Methoxychlor	ND	3.7	0.46	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	0.26	ug/kg	
8001-35-2	Toxaphene	ND	19	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%	101%	31-136%
877-09-8	Tetrachloro-m-xylene	98%	103%	31-136%
2051-24-3	Decachlorobiphenyl	83%	110%	28-148%
2051-24-3	Decachlorobiphenyl	85%	100%	28-148%

(a) Reported from 2nd signal due to interference on 1st signal.  
 (b) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL	
<b>Lab Sample ID:</b> J26131-3	<b>Date Sampled:</b> 03/27/06
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 03/28/06
<b>Method:</b> SW846 8082 SW846 3545	<b>Percent Solids:</b> 87.9
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA29824.D	1	04/11/06	KLS	04/06/06	OP23180	GOA992
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	37	8.8	ug/kg	
11141-16-5	Aroclor 1232	ND	37	8.8	ug/kg	
53469-21-9	Aroclor 1242	ND	37	5.8	ug/kg	
12672-29-6	Aroclor 1248	ND	37	10	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.3	ug/kg	
11096-82-5	Aroclor 1260	ND	37	6.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		37-140%
877-09-8	Tetrachloro-m-xylene	89%		37-140%
2051-24-3	Decachlorobiphenyl	78%		40-151%
2051-24-3	Decachlorobiphenyl	80%		40-151%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: BOVE1 BOVE TOPSOIL

Lab Sample ID: J26131-3

Date Sampled: 03/27/06

Matrix: SO - Soil

Date Received: 03/28/06

Percent Solids: 87.9

Project: AGFA-Peerless, Shorham, NY

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5910	24	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	<2.4	2.4	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	6.8	2.4	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	28.0	24	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	<0.61	0.61	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	<0.61	0.61	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	4950	610	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	9.0	1.2	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	<6.1	6.1	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	15.7	3.0	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	7430	12	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	44.4	2.4	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	2420	610	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	97.8	1.8	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.070	0.037	mg/kg	1	04/11/06	04/12/06 JW	SW846 7471A <sup>2</sup>	SW846 7471A <sup>4</sup>
Nickel	5.6	4.8	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	<610	610	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	<2.4	2.4	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	<1.2	1.2	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	<610	610	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	<1.2	1.2	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	14.5	6.1	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	65.3	2.4	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA17317

(2) Instrument QC Batch: MA17327

(3) Prep QC Batch: MP33923

(4) Prep QC Batch: MP33949

## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL		<b>Date Sampled:</b> 03/27/06
<b>Lab Sample ID:</b> J26131-3		<b>Date Received:</b> 03/28/06
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 87.9
<b>Project:</b> AGFA-Peerless, Shorham, NY		

**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.26	0.26	mg/kg	1	04/07/06 15:38	NR	SW846 9012 M
Solids, Percent	87.9		%	1	04/10/06	NC	EPA 160.3 M

RL = Reporting Limit

Report of Analysis

<b>Client Sample ID:</b>	BOVE1 BOVE TOPSOIL	<b>Date Sampled:</b>	03/27/06
<b>Lab Sample ID:</b>	J26131-3A	<b>Date Received:</b>	03/28/06
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	88.6
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V57041.D	1	04/08/06	GTT	n/a	n/a	VV2192
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	3.0	ug/kg	
71-43-2	Benzene	ND	1.1	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	0.49	ug/kg	
75-25-2	Bromoform	ND	5.3	0.46	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.39	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	0.59	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.3	1.9	ug/kg	
67-66-3	Chloroform	ND	5.3	0.62	ug/kg	
74-87-3	Chloromethane	ND	5.3	0.49	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	0.58	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.3	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.3	0.71	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.3	0.73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	0.59	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.48	ug/kg	
591-78-6	2-Hexanone	ND	5.3	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	2.1	ug/kg	
75-09-2	Methylene chloride	ND	5.3	0.74	ug/kg	
100-42-5	Styrene	ND	5.3	0.35	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	0.61	ug/kg	
127-18-4	Tetrachloroethene	ND	5.3	0.88	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	0.63	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	0.57	ug/kg	
79-01-6	Trichloroethene	ND	5.3	0.55	ug/kg	

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL		<b>Date Sampled:</b> 03/27/06
<b>Lab Sample ID:</b> J26131-3A		<b>Date Received:</b> 03/28/06
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.6
<b>Method:</b> SW846 8260B		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.3	0.69	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-120%
17060-07-0	1,2-Dichloroethane-D4	91%		61-133%
2037-26-5	Toluene-D8	91%		75-123%
460-00-4	4-Bromofluorobenzene	101%		65-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	BOVE1 BOVE TOPSOIL	<b>Date Sampled:</b>	03/27/06
<b>Lab Sample ID:</b>	J26131-3A	<b>Date Received:</b>	03/28/06
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	88.6
<b>Method:</b>	SW846 8270C SW846 3550B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	M41455.D	1	04/13/06	SSW	04/12/06	OP23254	EM1351
Run #2 <sup>b</sup>	M41466.D	1	04/13/06	SSW	04/12/06	OP23254	EM1351

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	47	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	62	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	96	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	57	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	33	ug/kg	
95-48-7	2-Methylphenol	ND	190	37	ug/kg	
	3&4-Methylphenol	ND	190	53	ug/kg	
88-75-5	2-Nitrophenol	ND	190	46	ug/kg	
100-02-7	4-Nitrophenol	ND	750	51	ug/kg	
87-86-5	Pentachlorophenol	ND	750	42	ug/kg	
108-95-2	Phenol	ND	190	46	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	56	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	31	ug/kg	
83-32-9	Acenaphthene	ND	75	19	ug/kg	
208-96-8	Acenaphthylene	ND	75	15	ug/kg	
120-12-7	Anthracene	48.2	75	14	ug/kg	J
56-55-3	Benzo(a)anthracene	227	75	18	ug/kg	
50-32-8	Benzo(a)pyrene	251	75	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	276	75	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	124	75	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	259	75	28	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	28	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	52	ug/kg	
106-47-8	4-Chloroaniline	ND	190	23	ug/kg	
86-74-8	Carbazole	29.2	75	15	ug/kg	J
218-01-9	Chrysene	293	75	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	24	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	19	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	18	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL	
<b>Lab Sample ID:</b> J26131-3A	<b>Date Sampled:</b> 03/27/06
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 03/28/06
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 88.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	75	17	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	20	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	16	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	43	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	43	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	36	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	27.2	75	20	ug/kg	J
132-64-9	Dibenzofuran	ND	75	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	24	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	32	ug/kg	
84-66-2	Diethyl phthalate	ND	75	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	75.7	75	48	ug/kg	
206-44-0	Fluoranthene	388	75	13	ug/kg	
86-73-7	Fluorene	21.0	75	15	ug/kg	J
118-74-1	Hexachlorobenzene	ND	75	21	ug/kg	
87-68-3	Hexachlorobutadiene	ND	75	25	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	27	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	144	75	24	ug/kg	
78-59-1	Isophorone	ND	75	19	ug/kg	
91-57-6	2-Methylnaphthalene	ND	75	24	ug/kg	
88-74-4	2-Nitroaniline	ND	190	24	ug/kg	
99-09-2	3-Nitroaniline	ND	190	29	ug/kg	
100-01-6	4-Nitroaniline	ND	190	26	ug/kg	
91-20-3	Naphthalene	ND	75	21	ug/kg	
98-95-3	Nitrobenzene	ND	75	26	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	24	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	15	ug/kg	
85-01-8	Phenanthrene	237	75	16	ug/kg	
129-00-0	Pyrene	530	75	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	43%	33-105%
4165-62-2	Phenol-d5	55%	55%	34-110%
118-79-6	2,4,6-Tribromophenol	78%	83%	33-124%
4165-60-0	Nitrobenzene-d5	56%	55%	26-113%
321-60-8	2-Fluorobiphenyl	69%	70%	40-106%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL		<b>Date Sampled:</b> 03/27/06
<b>Lab Sample ID:</b> J26131-3A		<b>Date Received:</b> 03/28/06
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.6
<b>Method:</b> SW846 8270C SW846 3550B		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

**ABN TCL List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	107%	35-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.84	270	ug/kg	J
	system artifact/aldol-condensation	4.43	43000	ug/kg	J
	unknown	18.16	250	ug/kg	J
	unknown	22.82	170	ug/kg	J
	unknown	23.89	160	ug/kg	J
	alkane	24.23	980	ug/kg	J
	alkane	25.60	440	ug/kg	J
	unknown	25.67	170	ug/kg	J
	unknown	26.36	210	ug/kg	J
	Total TIC, Semi-Volatile		2380	ug/kg	J

- (a) Sample extracted outside the holding time per client's request.
- (b) Confirmation run.

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ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	BOVE1 BOVE TOPSOIL		<b>Date Sampled:</b>	03/27/06
<b>Lab Sample ID:</b>	J26131-3A		<b>Date Received:</b>	03/28/06
<b>Matrix:</b>	SO - Soil		<b>Percent Solids:</b>	88.6
<b>Method:</b>	SW846 8081A SW846 3545			
<b>Project:</b>	AGFA-Peerless, Shorham, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3G9131.D	1	04/13/06	MCR	04/12/06	OP23246	G3G368
Run #2 <sup>a</sup>	3G9164.D	4	04/14/06	MCR	04/12/06	OP23246	G3G369

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2	15.4 g	10.0 ml

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.13	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.66	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.11	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.37	ug/kg	
5103-71-9	alpha-Chlordane <sup>b</sup>	26.0	1.5	0.49	ug/kg	
5103-74-2	gamma-Chlordane	23.8	1.5	0.19	ug/kg	
60-57-1	Dieldrin	8.5	1.5	0.25	ug/kg	
72-54-8	4,4'-DDD	92.8 <sup>c</sup>	5.9	1.0	ug/kg	
72-55-9	4,4'-DDE	138 <sup>c</sup>	5.9	1.1	ug/kg	
50-29-3	4,4'-DDT	164 <sup>c</sup>	5.9	1.1	ug/kg	
72-20-8	Endrin	ND	1.5	0.17	ug/kg	
1031-07-8	Endosulfan sulfate	5.5	1.5	0.24	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.25	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.14	ug/kg	
33213-65-9	Endosulfan-II	3.9	1.5	0.42	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.092	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.22	ug/kg	
72-43-5	Methoxychlor	ND	3.7	0.45	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	0.25	ug/kg	
8001-35-2	Toxaphene	ND	18	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	97%	31-136%
877-09-8	Tetrachloro-m-xylene	102%	102%	31-136%
2051-24-3	Decachlorobiphenyl	87%	90%	28-148%
2051-24-3	Decachlorobiphenyl	85%	92%	28-148%

(a) Sample extracted outside the holding time per client's request.

(b) Reported from 2nd signal due to interference on 1st signal.

(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL	<b>Date Sampled:</b> 03/27/06
<b>Lab Sample ID:</b> J26131-3A	<b>Date Received:</b> 03/28/06
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.6
<b>Method:</b> SW846 8082 SW846 3545	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	OA29921.D	1	04/14/06	KLS	04/12/06	OP23249	GOA995
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	8.4	ug/kg	
11104-28-2	Aroclor 1221	ND	37	8.6	ug/kg	
11141-16-5	Aroclor 1232	ND	37	8.6	ug/kg	
53469-21-9	Aroclor 1242	ND	37	5.7	ug/kg	
12672-29-6	Aroclor 1248	ND	37	10	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	37	6.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		37-140%
877-09-8	Tetrachloro-m-xylene	106%		37-140%
2051-24-3	Decachlorobiphenyl	93%		40-151%
2051-24-3	Decachlorobiphenyl	91%		40-151%

(a) Sample extracted outside the holding time per client's request.

---

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	BOVE1 BOVE TOPSOIL	Date Sampled:	03/27/06
Lab Sample ID:	J26131-3A	Date Received:	03/28/06
Matrix:	SO - Soil	Percent Solids:	88.6
Project:	AGFA-Peerless, Shorham, NY		

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	6050	23	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	<2.3	2.3	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	6.5	2.3	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	26.2	23	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	<0.56	0.56	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	<0.56	0.56	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	4790	560	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	13.9	1.1	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	<5.6	5.6	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	14.5	2.8	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	7910	11	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	43.3	2.3	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	2380	560	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	98.6	1.7	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.070	0.034	mg/kg	1	04/11/06	04/12/06 JW	SW846 7471A <sup>2</sup>	SW846 7471A <sup>4</sup>
Nickel	5.6	4.5	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	<560	560	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	<2.3	2.3	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	<1.1	1.1	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	<560	560	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	<1.1	1.1	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	16.1	5.6	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	59.4	2.3	mg/kg	1	04/10/06	04/10/06 JDM	SW846 6010B <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA17317

(2) Instrument QC Batch: MA17327

(3) Prep QC Batch: MP33923

(4) Prep QC Batch: MP33949

## Report of Analysis

<b>Client Sample ID:</b> BOVE1 BOVE TOPSOIL	<b>Date Sampled:</b> 03/27/06
<b>Lab Sample ID:</b> J26131-3A	<b>Date Received:</b> 03/28/06
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.27	0.27	mg/kg	1	04/10/06 14:42	NR	SW846 9012 M
Solids, Percent	88.6		%	1	04/11/06	NC	EPA 160.3 M

RL = Reporting Limit



**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**VOLATILE (VOA) ANALYSIS**

Project No: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J26131-3	Soil	27-Mar-06	28-Mar-06	-	8-Apr-06
J26131-3A	Soil	27-Mar-06	28-Mar-06	-	8-Apr-06

ACCUTEST LABORATORIES  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
SEMIVOLATILE (BNA) ANALYSIS

Project No: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil/Conc Factor
J26131-3	Soil	SW 8270C	3550B	NONE	30.1g:1.0ml
J26131-3A	Soil	SW 8270C	3550B	NONE	30.2g:1.0ml

ACCUTEST LABORATORIES  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
SEMIVOLATILE (BNA) ANALYSIS

Project No: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J26131-3	Soil	27-Mar-06	28-Mar-06	06-Apr-06	10-Apr-06
J26131-3A	Soil	27-Mar-06	28-Mar-06	12-Apr-06	13-Apr-06

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**PESTICIDE / PCB ANALYSIS**

Project No: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
PESTICIDE					
J26131-3	Soil	27-Mar-06	28-Mar-06	06-Apr-06	12-Apr-06
J26131-3A	Soil	27-Mar-06	28-Mar-06	12-Apr-06	14-Apr-06
PCB					
J26131-3	Soil	27-Mar-06	28-Mar-06	06-Apr-06	11-Apr-06
J26131-3A	Soil	27-Mar-06	28-Mar-06	12-Apr-06	14-Apr-06

# ACCUTEST LABORATORIES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE / PCB ANALYSIS

Project No: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil/Conc Factor
PESTICIDE					
J26131-3	Soil	SW846 8081	3545	None	15.2g:10.0ml
J26131-3A	Soil	SW846 8081	3545	None	15.4g:10.0ML
PCB					
J26131-3	Soil	SW846 8082	3545	None	15.2g:10.0ml
J26131-3A	Soil	SW846 8082	3545	None	15.4g:10.0ML

ACCUTEST LABORATORIES  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSIS

Project No: J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory			Date Rec'd	Date
Sample ID	Matrix	Metals Requested	at Lab	Analyzed
J26131-3	Soil	Metals	28-Mar-06	12-Apr-06
J26131-3A	Soil	Metals	28-Mar-06	12-Apr-06

ACCUTEST LABORATORIES  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
CYANIDE

Project Number J26131

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J26131-3	Soil	27-Mar-06	28-Mar-06	-	07-Apr-06
J26131-3A	Soil	27-Mar-06	28-Mar-06	-	10-Apr-06





**Job Change Order:**

**J26131\_4/5/2006**

**Requested Date:** 4/5/2006

**Received Date:** 3/28/2006

**Account Name:** ATC Associates, Inc.

**Due Date:** 4/18/2006

**Project Description:** AGFA-Peerless, Shorham, NY

**Deliverable:** NYASPB

**CSR:** MV

**TAT (Days):** 7

**Sample #:**  
J26131-3

**Change:** Off hold- Run for TCL+30. Sample needs to be run in Duplicate. Please assign -1A as well and log for TCL+30.

BOVE1 BOVE TOPSOIL

**Above Changes Per:** Jim Celegra

**Date:** 4/5/2006

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

**APPENDIX B**

# Volatile/Semivolatile Data Review Summary

ATC

BCM Project Name: Peerless Photo Products  
 BCM Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J26131  
 Sampling Date(s): 3/27/2006  
 Reviewed By: M. Traxler  
 Completion Date: 7/14/2006

Fraction Reviewed:  VOLATILE ORGANICS  SEMIVOLATILE ORGANICS  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other  
 Method:  CLP SOW  40 CFR 136 Meth. 601/602  SW-846 Method 8260B  Other

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	Comments
Holding Times	X			< 14 days soil / 7 days water
GC/MS Tuning	X			
Initial Calibrations	X			<25 RPD
Continuing Calibrations	X			<20 RPD
Blank Analysis Results	X			<RL
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results		X		No MS/MSD results
Field Duplicate Results	X			Within acceptance limits
Internal Standard Areas/RT				NR
Target Compound Identification				NR
TIC Identification				NR
Quantitation/Detection Limits				NR
Laboratory Control Sample	X			80-120%
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/14/06

# Volatile Field Duplicate Precision

ATC

Project Name:  
Project Number:

Peerless Photo Products  
68.28817.0001

Case No./SDG: J26131

Sample Description or Location	BOVE1
Sample Number	J26131-3
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Sample Description or Location	BOVE1-DUP
Sample Number	J26131-3A
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Compound	Sample Concentration	Field Duplicate Concentration	RPD	Q
chloromethane				
vinyl chloride				
bromomethane				
chloroethane				
trichlorofluoromethane				
1,1-dichloroethene				
methylene chloride				
trans-1,2-dichloroethene				
1,1-dichloroethane				
chloroform				
1,1,1-trichloroethane				
1,2-dichloroethane				
carbon tetrachloride				
trichloroethene				
1,2-dichloropropane				
bromodichloromethane				
2-chloroethylvinyl ether				
cis-1,2-dichloroethene				
trans-1,3-dichloropropane				
1,1,2-trichloroethane				
tetrachloroethene				
dibromochloromethane				
chlorobenzene				
bromoform				
1,1,2,2-tetrachloroethane				
cis-1,2-dichloroethene				
benzene				
toluene				
ethylbenzene				
xylene (total)				
1,3-dichlorobenzene				
1,4-dichlorobenzene				
1,2-dichlorobenzene				

QA Scientist Mark Proder Date 7/14/06

# Volatile/Semivolatile Data Review Summary

ATC

BCM Project Name: Peerless Photo Products  
 BCM Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: 0604424  
 Sampling Date(s): 3/27/2006  
 Reviewed By: M. Traxler  
 Completion Date: 7/14/2006

Fraction Reviewed:  VOLATILE ORGANICS  SEMIVOLATILE ORGANICS  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other  
 Method:  CLP SOW  40 CFR 136 Meth. 601/602  SW-846 Method 8270B  Other

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	Comments
Holding Times	X			<40 days
GC/MS Tuning	X			
Initial Calibrations	X			<25 RSD
Continuing Calibrations	X			<20 RPD
Blank Analysis Results	X			<RL
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results	X	X		No MS/MSD
Field Duplicate Results	X			Within acceptance limits
Internal Standard Areas/RT	X			Within acceptance limits
Target Compound Identification	X			
TIC Identification	X			
Quantitation/Detection Limits	X			
Laboratory Control Sample	X			80-120% R
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/14/06

# Semivolatile Field Duplicate Precision Worksheet

ATC

Project Name: Peerless Photo Products  
 Project Number: 68.28817.0001

Case/SDG Number: J26131

Sample Location or Description	BOVE1	BOVE1-DUP
Sample Number	J26131-3	J26131-3A
Sampling Date	3/27/2006	3/27/2006
Units	mg/kg	mg/kg

	Sample	Field Duplicate	RPD	Q
phenol				
bis(2-chloroethyl)ether				
2-chlorophenol				
1,3-dichlorobenzene				
1,4-dichlorobenzene				
1,2-dichlorobenzene				
2-methylphenol				
2,2'-oxybis(1-chloropropane)				
4-methylphenol				
N-nitroso-di-n-propylamine				
hexachloroethane				
nitrobenzene				
isophorone				
2-nitrophenol				
2,4-dimethylphenol				
bis(2-chloroethoxy)methane				
2,4-dichlorophenol				
1,2,4-trichlorobenzene				
naphthalene				
4-chloroaniline				
hexachlorobutadiene				
4-chloro-3-methylphenol				
2-methylnaphthalene				
hexachlorocyclopentadiene				
2,4,6-trichlorophenol				
2,4,5-trichlorophenol				
2-chloronaphthalene				
2-nitroaniline				
dimethylphthalate				
acenaphthylene				
2,6-dinitrotoluene				
3-nitroaniline				
acenaphthene				
2,4-dinitrophenol				
4-nitrophenol				

# Semivolatile Field Duplicate Precision Worksheet

ATC

Project Name: Peerless Photo Products  
 Project Number: 68.28817.0001

Case/SDG Number: J26131

Sample Location or Description	BOVE1	BOVE1-DUP
Sample Number	J26131-3	J26131-3A
Sampling Date	3/27/2006	3/27/2006
Units	mg/kg	mg/kg

	Sample	Field Duplicate	RPD	Q
dibenzofuran				
2,4-dinitrotoluene				
diethylphthalate				
4-chlorophenyl-phenylether				
fluorene				
4-nitroaniline				
4,6-dinitro-2-methylphenol				
N-nitrosodiphenylamine				
4-bromophenyl-phenylether				
hexachlorobenzene				
pentachlorophenol				
phenanthrene	203	237	15	
anthracene	47.1	48.2	2	
carbazole	27.3	29.2	7	
di-n-butylphthalate				
fluoranthene	425	388	9	
pyrene	372	530	35	
butylbenzylphthalate				
3,3'-dichlorobenzidine				
benzo(a)anthracene	212	227	7	
chrysene	258	293	13	
bis(2-ethylhexyl)phthalate	106	75.7	33	
di-n-octylphthalate				
benzo(b)fluoranthene	231	276	18	
benzo(k)fluoranthene	227	259	13	
benzo(a)pyrene	244	251	3	
indeno(1,2,3-cd)pyrene	65.5	144	75	*
dibenz(a,h)anthracene	33.5	27.2	21	
benzo(g,h,i)perylene	60.6	124	69	*

Comments:

\* - Denotes RPD outside criteria

# Pesticide Data Review Summary

ATC

ATC Project Name: Peerless Photo Products  
 ATC Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J26131  
 Sampling Date(s): 3/27/2006  
 Reviewed By: M. Traxler  
 Completion Date: 7/14/2006

Fraction Reviewed:  PESTICIDES  PCBs  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW  40 CFR 136 Method \_\_\_\_\_  SW-846 Method \_\_\_\_\_  Other \_\_\_\_\_

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations				NA
Blank Analysis Results	X			
System Monitoring/Surrogate Results	X			
MS/MSD Results		X		No MS/MSD results
Field Duplicate Results	X			
Internal Standard Areas/RT	X			
Target Compound Identification	X			
Quantitation/Detection Limits	X			
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/14/06



# Pesticide Field Duplicate Precision

ATC

Project Name: Peerless Photo Products Case No./SDG: J26131  
 Project Number: 68.28817.0001

Sample Description or Location	BOVE1
Sample Number	J26131-3
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Sample Description or Location	BOVE1-DUP
Sample Number	J26131-3A
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Compound	Sample Concentration	Field Duplicate Concentration	RPD	Q
aldrin				
alpha-BHC				
beta-BHC				
delta-BHC				
gamma-BHC (Lindane)				
alpha-chlordane	25.1	26	3.5	
gamma-chlordane	28.0	23.8	16.2	
dieldrin	8.7	8.5	2.3	
4,4'-DDD	112	92.8	18.8	
4,4'-DDE	172	138	21.9	
4,4'-DDT	200	164	19.8	
endrin				
endosulfan sulfate	5.7	5.5	3.6	
endrin aldehyde				
endosulfan-I				
endosulfan-II	3.8	3.9	2.6	
heptachlor				
heptachlor epoxide				
methoxychlor				
endrin ketone				
toxaphene				

QA Scientist Mark Snyder Date 7/14/66

# PCB Data Review Summary

ATC

ATC Project Name: Peerless Photo Products  
 ATC Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J26131  
 Sampling Date(s): 3/27/2006  
 Reviewed By: M. Traxler  
 Completion Date: 7/14/2006

Fraction Reviewed:  PESTICIDES  PCBs  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW  40 CFR 136 Method \_\_\_\_\_  SW-846 Method \_\_\_\_\_  Other \_\_\_\_\_

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations				NA
Blank Analysis Results	X			
System Monitoring/Surrogate Results	X			
MS/MSD Results		X		No MS/MSD results
Field Duplicate Results	X			
Internal Standard Areas/RT	X			
Target Compound Identification	X			
Quantitation/Detection Limits	X			
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/14/06

# Polychlorinated Biphenyls Field Duplicate Precision ATC

Project Name: Peerless Photo Products Case No./SDG: J26131  
 Project Number: 68.28817.0001

Sample Description or Location	BOVE1
Sample Number	J26131-3
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Sample Description or Location	BOVE1-DUP
Sample Number	J26131-3A
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Compound	Sample Concentration
Aroclor 1016	
Aroclor 1221	
Aroclor 1232	
Aroclor 1242	
Aroclor 1248	
Aroclor 1254	
Aroclor 1260	

Field Duplicate Concentration	RPD	Q

QA Scientist Mark Stapler Date 7/14/06

# Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products  
 Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accufest

Case No./SDG: J26131  
 Sampling Date(s): 3/27/2006  
 Reviewed By: M. Traxler  
 Completion Date: 7/14/2006

Compound List:  TAL  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW 3/90  SW-846  Other \_\_\_\_\_  
 Matrix:  soil/solid (mg/Kg)  aqueous (ug/L)

The following table indicates the data validation criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept	FYI	qualify	comments
Holding Times	X			Less than 180 days
Calibration Linearity - Furnace, Hg, and CN				NR
Calibration Verification	X			2-point standard
CRDL Standard	X			50 - 150 % R
Calibration Blanks	X			< RL
Preparation Blanks	X			< RL
Field Blank	X			< RL
ICP Interference Check Sample	X			80 - 120 % R
Laboratory Control Sample	X			75 - 125 % R
Matrix Spike Results			X	75 - 125 % R - outliers Sb, Ca, Mg, Hg
Matrix Duplicate Results			X	Lead > 20% RPD
ICP Serial Dilution	X			< 10% D (Cd, Se, Na, Co <50X IDL)
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results			X	Cr >35% RPD
Sample Result Verification	X			
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/14/06

# Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products

Case/SDG Number: J26131

Project Number: 68.28817.0001

Sample Location or Description	BOVE1	BOVE1-MS	BOVE1-MSD
Sample Number	J26131-3	J26131-3MS	J26131-3MSD
Sampling Date	3/27/2006	3/27/2006	3/27/2006
Units	mg/kg	mg/kg	mg/kg

	Spike Amount	Sample Result	MS Result	MSD Result	MS %R	Q	MSD %R	Q	MS/MSD RPD	Q
Aluminum	5400	5,910	11,400	11,600	94.7		95.4		1.7	
Antimony	100	0.0	57.6	57.4	53.7	*	52.0	*	0.3	
Arsenic	400	6.8	370	374	84.6		83.1		1.1	
Barium	400	28.0	411	422	89.2		89.2		2.6	
Beryllium	10	0.20	9.9	9.9	90.4		87.8		0.0	
Cadmium	10	0.16	9.7	9.7	88.9		86.4		0.0	
Calcium	1250	4950	5770	5450	61.1	*	36.2	*	5.7	
Chromium	40	9.0	48.0	49.2	90.8		91.0		2.5	
Cobalt	100	2.6	98.0	98.4	88.9		86.7		0.4	
Copper	50	15.7	66.8	69.8	95.2		98.0		4.4	
Iron	5200	7,430	12,700	12,400	94.4		86.5		2.4	
Lead	100	44.4	172	139	118.9		85.6		21.2	*
Magnesium	1250	2420	3310	3400	66.3	*	71.0	*	2.7	
Manganese	100	97.8	193	189	88.7		82.6		2.1	
Mercury	0.37	0.070	0.45	0.52	101.6		129.5	*	14.4	
Nickel	100	5.6	103	103	90.8		88.2		0.0	
Potassium	1250	555	1720	1740	86.8		85.8		1.2	
Selenium	400	0.51	361	368	84.0		83.2		1.9	
Silver	10	0.0	9.6	9.8	89.4		88.7		2.1	
Sodium	1250	88.3	1310	1340	91.1		90.7		2.3	
Thallium	400	0.0	374	380	87.1		86.0		1.6	
Vanadium	100	14.5	113	114	91.8		90.1		0.9	
Zinc	100	65.3	164	157	92.0		83.0		4.4	

NT - Not Tested

Q - Qualifier

\* - Denotes RPD outside criteria

*Mark Traylor*

*7/14/06*

# Metals Field Duplicate Precision

ATC

Project Name: Peerless Photo Products Case No./SDG: J26131  
 Project Number: 68.28817.0001

Sample Description or Location	BOVE1
Sample Number	J26131-3
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Sample Description or Location	BOVE1-DUP
Sample Number	J26131-3A
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Compound	Sample Concentration	Field Duplicate Concentration	RPD	Q
aluminum	5,910	6,050	2.3	
antimony				
arsenic	6.8	6.5	4.5	
barium	28.0	26.2	6.6	
beryllium				
cadmium				
calcium	4,950	4,790	3.3	
chromium	9.0	13.9	42.8	*
cobalt				
copper	15.7	14.5	7.9	
iron	7,430	7,910	6.3	
lead	44.4	43.3	2.5	
magnesium	2,420	2,380	1.7	
manganese	97.8	98.6	0.8	
mercury	0.07	0.070	0.0	
nickel	5.6	5.6	0.0	
potassium				
selenium				
silver				
sodium				
thallium				
vanadium	14.5	16.1	10.5	
zinc	65.3	59.4	9.5	
cyanide				

QA Scientist Mark Staxler Date 7/14/06

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J26131  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33923  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 04/10/06

Metal	J26131-3 Original MS	Spikelot MPIRS1	% Rec	QC Limits	
Aluminum	5910	11400	5800	94.7	75-125
Antimony	0.0	57.6	107	53.7N(a)	75-125
Arsenic	6.8	370	429	84.6	75-125
Barium	28.0	411	429	89.2	75-125
Beryllium	0.20	9.9	11	90.4	75-125
Cadmium	0.16	9.7	11	88.9	75-125
Calcium	4950	5770	1340	61.1N(a)	75-125
Chromium	9.0	48.0	42.9	90.8	75-125
Cobalt	2.6	98.0	107	88.9	75-125
Copper	15.7	66.8	53.7	95.2	75-125
Iron	7430	12700	5580	94.4	75-125
Lead	44.4	172	107	118.9	75-125
Magnesium	2420	3310	1340	66.3N(a)	75-125
Manganese	97.8	193	107	88.7	75-125
Nickel	5.6	103	107	90.8	75-125
Potassium	555	1720	1340	85.8	75-125
Selenium	0.51	361	429	84.0	75-125
Silver	0.0	9.6	11	89.4	75-125
Sodium	88.3	1310	1340	91.1	75-125
Thallium	0.0	374	429	87.1	75-125
Vanadium	14.5	113	107	91.8	75-125
Zinc	65.3	164	107	92.0	75-125

*MTT 7/14/06*

Associated samples MP33923: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(spr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J26131  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33923  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 04/10/06

Metal	J26131-3 Original MSD		Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	5910	11600	5960	95.4	1.7	20
Antimony	0.0	57.4	110	52.0N(a)	0.3	20
Arsenic	6.8	374	442	83.1	1.1	20
Barium	28.0	422	442	89.2	2.6	20
Beryllium	0.20	9.9	11	87.8	0.0	20
Cadmium	0.16	9.7	11	86.4	0.0	20
Calcium	4950	5450	1380	36.2N(a)	5.7	20
Chromium	9.0	49.2	44.2	91.0	2.5	20
Cobalt	2.6	98.4	110	86.7	0.4	20
Copper	15.7	69.8	55.2	98.0	4.4	20
Iron	7430	12400	5740	86.5	2.4	20
Lead	44.4	139	110	85.6	21.2 (b)	20
Magnesium	2420	3400	1380	71.0N(a)	2.7	20
Manganese	97.8	189	110	82.6	2.1	20
Nickel	5.6	103	110	88.2	0.0	20
Potassium	555	1740	1380	85.8	1.2	20
Selenium	0.51	368	442	83.2	1.9	20
Silver	0.0	9.8	11	88.7	2.1	20
Sodium	88.3	1340	1380	90.7	2.3	20
Thallium	0.0	380	442	86.0	1.6	20
Vanadium	14.5	114	110	90.1	0.9	20
Zinc	65.3	157	110	83.0	4.4	20

MT  
7/14/06

Associated samples MP33923: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

(b) High rpd due to possible sample nonhomogeneity.



SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: J26131  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33923  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 04/10/06

Metal	BSP Result	Spikelot MPRS1	% Rec	QC Limits
Aluminum	5040	5400	93.3	80-120
Antimony	90.8	100	90.8	80-120
Arsenic	350	400	87.5	80-120
Barium	373	400	93.3	80-120
Beryllium	9.4	10	94.0	80-120
Cadmium	9.4	10	94.0	80-120
Calcium	1190	1250	95.2	80-120
Chromium	38.3	40	95.8	80-120
Cobalt	93.0	100	93.0	80-120
Copper	50.3	50	100.6	80-120
Iron	4820	5200	92.7	80-120
Lead	93.2	100	93.2	80-120
Magnesium	1160	1250	92.8	80-120
Manganese	93.8	100	93.8	80-120
Nickel	94.2	100	94.2	80-120
Potassium	1100	1250	88.0	80-120
Selenium	343	400	85.8	80-120
Silver	9.3	10	93.0	80-120
Sodium	1200	1250	96.0	80-120
Thallium	364	400	91.0	80-120
Vanadium	96.4	100	96.4	80-120
Zinc	97.1	100	97.1	80-120

Associated samples MP33923: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: J26131  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33923  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 04/10/06

Metal	J26131-3 Original	SDL 1:5	RPD	QC Limits
Aluminum	48800	49700	1.8	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	55.8	59.3	6.3	0-10
Barium	231	234	1.2	0-10
Beryllium	1.62	1.69	4.5	0-10
Cadmium	1.31	0.00	100.0(a)	0-10
Calcium	40900	41800	2.3	0-10
Chromium	74.6	77.3	3.6	0-10
Cobalt	21.6	24.2	11.7 (a)	0-10
Copper	130	130	0.0	0-10
Iron	61400	62300	1.6	0-10
Lead	367	380	3.5	0-10
Magnesium	20000	20400	2.4	0-10
Manganese	808	830	2.6	0-10
Nickel	46.4	44.4	4.3	0-10
Potassium	4550	4710	2.6	0-10
Selenium	4.24	0.00	100.0(a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium	730	0.00	100.0(a)	0-10
Thallium	0.00	0.00	NC	0-10
Vanadium	120	126	4.8	0-10
Zinc	539	562	4.1	0-10

*All results > 10% RPD  
 are < 50X IDL.  
 MT  
 7/14/06*

Associated samples MP33923: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (nr) Analyte not requested  
 (a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: J26131  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33949  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 04/11/06

Metal	RL	IDL	MB raw	final
Mercury	0.033	.014	-0.0013	<0.033

Associated samples MP33949: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J26131  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33949  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 04/11/06

Metal	J26131-3 Original MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.070	0.45	0.37	101.6 53-149

Associated samples MP33949: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J26131  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33949  
Matrix Type: SOLID

Methods: SW845 7471A  
Units: mg/kg

Prep Date: 04/11/06

Metal	J26131-3 Original MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.070	0.52	0.35	129.5	14.4 33

Associated samples MP33949: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: J26131  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP33949  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 04/11/06

Metal	LCS Result	Spikelot HGLCS42540% Rec	QC Limits
Mercury	8.8	10.9	80.7 59-141

Associated samples MP33949: J26131-3, J26131-3A

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

**DATA USABILITY REPORT**  
**ACCUTEST CASE NO. J8775**

**DATA USABILITY SUMMARY REPORT**

**FOR**

**PEERLESS PHOTO PRODUCTS  
SHORHAM, NEW YORK  
SEPTEMBER 2005**

**REPORTED MARCH 2006**

**ATC PROJECT NO. 68.28817.0001**

**PREPARED BY**

*Mark Traxler*

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**MARK TRAXLER  
SENIOR QUALITY ASSURANCE SCIENTIST**



920 Germantown Pike, Suite 200 ■ Plymouth Meeting, PA 19462



The following Data Usability Summary Report (DUSR) was conducted by the ATC Associates Inc. Environmental Chemistry and Quality Assurance Department. This report has concluded that the following analytical data, with the use of the stated qualifications, generated in the sampling event of September 1, 2005 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

  
\_\_\_\_\_  
Mark Traxler  
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY  
ORGANICS AND INORGANICS  
PEERLESS PHOTO PRODUCTS SITE  
SEPTEMBER 2005**

## **1.0 INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared in accordance with the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. This DUSR has been developed from a full NYSDEC Analytical Services Protocol (ASP) Category B deliverables package.

This DUSR addresses the organics and inorganics results from the September 1, 2005 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case J8775 included a total of three (3) soil samples, including one (1) set of field duplicate samples for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semivolatile Organic Compounds (SVOCs), TCL Organochlorine Pesticides, TCL Polychlorinated Biphenyls (PCBs), Target Analyte List (TAL) metals and cyanide analyses. Case J8775 also included one (1) aqueous trip blank sample for VOCs analysis.

The findings offered in this DUSR are based upon a general review of sample data, holding times, initial and continuing calibration verification results, GC/MS tuning, surrogate recoveries, contract required detection limit (CRDL) standard results, blank contamination results, inductively coupled plasma (ICP) interference check sample results, spike sample results, laboratory and field duplicate results, and laboratory control sample results. Samples in this report were analyzed by Accutest Laboratories, Dayton, New Jersey following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 8260B, 8270C, 8081A, 8082, 6010B, 7471A and 9012. The quality assurance review of the data described was prepared according to EPA's *National Functional Guidelines for Inorganic Data Review, Final*, (EPA 540-R-04-004) dated October 2004, where applicable to SW-846 Methods. Method protocol criteria were also considered as prescribed by SW-846.

The analytical data deliverables for Case J8775 consist of NYSDCE ASP Category B reporting forms and raw data for each analysis, which includes instrument printouts, notebook pages, and chain-of-custody (COC) documents.

The data summary tables list the organics and inorganics that were analyzed. Appendix A provides the sample results as reported by the laboratory, along with a copy of the associated COC documentation. The support documentation in Appendix B summarizes

the specific issues raised in this review. Analytical problems that were encountered were outlined in the Findings/Qualifiers section.

The following components of the data package were reviewed for completeness:

- Sample chain-of-custody form;
- Case narrative;
- Summary forms and supporting documents;
- Calibration data;
- Instrument and method performance data;
- Data report forms, preparation logs and run logs; and
- Raw analytical data.

The following items of the data package were reviewed for compliance:

- The data package is complete, as defined above;
- The data has been produced and reported in a manner consistent with the requirements of the Quality Assurance Project Plan (QAPP);
- The QAPP-defined quality assurance (QA) and quality control (QC) criteria have been met;
- Instrument calibration requirements have been met for the time frame during which the analyses were completed;
- Initial and Continuing calibration data are presented and documented;
- Data reporting forms are complete; and
- Problems encountered during the analytical process have been reported in the case narrative.

## **2.0 LABORATORY DATA PACKAGE**

The data package that was received from Accutest was paginated, complete and overall was of good quality. Comments on specific QA/QC issues and other requirements are discussed in detail in this report.

The samples were collected, properly preserved, shipped under a chain of custody record on September 1, 2005, and received at Accutest on the September 3, 2005. All samples were received intact and in good condition at Accutest.

### **3.0 FINDINGS/QUALIFIERS**

#### **3.1 TCL Volatile Organic Compounds**

The following TCL VOCs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip/field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits

It is recommended that Case J8775 VOCs results be used with the following qualifiers:

1. Methylene chloride, a common laboratory contaminant, was detected in a blank at an estimated concentration, "BJ" (below the reporting limit [RL]). These values were adjusted to non-detect, "U", at the RL.
2. Trichloroethene was detected at an estimated concentration, "J" (below the reporting limit [RL]). This value was not adjusted.

#### **3.2 TCL Semivolatile Organic Compounds**

The following TCL SVOCs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times

- Field duplicate precision
- Quantitation limits

It is recommended that Case J8775 SVOCs results be used with the following qualifiers:

1. A number of analytes were detected at an estimated concentration, "J" (below the reporting limit [RL]). These values were not adjusted.

### **3.3 TCL Organochlorine Pesticides**

The following TCL organochlorine pesticides analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- Sample result verification and identification
- Initial calibrations
- Performance evaluation mixtures
- Field duplicate precision
- Quantitation limits

It is recommended that Case J8775 TCL organochlorine pesticides results be used with the following qualifiers:

1. Heptachlor and heptachlor epoxide were reported at an estimated concentration, "J" (below the reporting limit [RL]) because they are not distinguishable from each other. These values were not adjusted.

### **3.4 TCL Polychlorinated Biphenyls**

The following TCL PCBs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries

- Laboratory method blank and field blank contamination
- Sample result verification and identification
- Initial calibrations
- Field duplicate precision
- Quantitation limits

It is recommended that Case J8775 TCL PCBs results be used with no qualifiers.

### **3.5 TAL Metals and Cyanide**

The following TAL Metals and cyanide analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Initial and continuing calibrations
- Contract Required Detection Limit (CRDL) check sample
- Laboratory preparation blanks and field blanks
- Inductively coupled plasma (ICP) interference check sample
- Matrix spike recoveries
- Laboratory duplicate precision
- Field duplicate precision
- Laboratory control sample recoveries
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits

It is recommended that Case J8775 TAL Metals and cyanide results be used with no qualifiers.

### **4.0 SUMMARY**

The organics and inorganics results are acceptable as qualified. Holding times, initial and continuing calibration verification results, GC/MS tuning performance, surrogate recoveries, CRDL check sample results, continuing calibration blank results, laboratory preparation blank results, blank sample results, ICP interference check sample results, matrix spike recoveries, laboratory duplicates, field duplicates, laboratory control sample results, and ICP serial dilution results were within acceptance limits. Sample results were properly verified and identified, along with the appropriate quantitation limits.

This review has identified no areas of concern. The data has been qualified accordingly on the data summary table. For specifics relating to this review, see the attached documentation in Appendix B.

## QUALIFIER CODES – TCL VOCs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.



DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **9/1/2005**

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J8775**  
 Fraction/Method **CLP Volatiles**

Sample Description or Location	CF-001	CF-002	FD-090105	TRIP BLANK				
Sample Number	J8775-1	J8775-2	J8775-3	J8775-4				
Matrix	Soil	Soil	Soil	Aqueous				
% Solids	93.3	90.6	93.1	-				
Dilution Factor	1	1	1	1				
Sampling Date	9/1/2005	9/1/2005	9/1/2005	9/1/2005				
<b>CRQL</b> Comments								
5 chloromethane	U	U	U	U				
5 bromomethane	U	U	U	U				
5 vinyl chloride	U	U	U	U				
5 chloroethane	U	U	U	U				
5 methylene chloride	3.0 JB U	3.0 JB U	2.5 JB U	U				
10 acetone	U	U	U	U				
5 carbon disulfide	U	U	U	U				
5 1,1-dichloroethene	U	U	U	U				
5 1,1-dichloroethane	U	U	U	U				
5 trans-1,2-dichloroethene	U	U	U	U				
5 cis-1,2-dichloroethene	U	U	U	U				
5 chloroform	U	U	U	U				
5 1,2-dichloroethane	U	U	U	U				
10 2-butanone	U	U	U	U				
5 1,1,1-trichloroethane	U	U	U	U				
5 carbon tetrachloride	U	U	U	U				
5 bromodichloromethane	U	U	U	U				
5 1,2-dichloropropane	U	U	U	U				
5 cis-1,3-dichloropropene	U	U	U	U				
5 trichloroethene	U	1.3 J J	U	U				
5 dibromochloromethane	U	U	U	U				
*5 1,1,2-trichloroethane	U	U	U	U				
1 benzene	U	U	U	U				
5 trans-1,3-dichloropropene	U	U	U	U				
5 bromoform	U	U	U	U				

DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **9/1/2005**

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J8775**  
 Fraction/Method **CLP Volatiles**

Sample Description or Location	CF-001	CF-002	FD-090105	TRIP BLANK				
Sample Number	J8775-1	J8775-2	J8775-3	J8775-4				
Matrix	Soil	Soil	Soil	Aqueous				
% Solids	93.3	90.6	93.1	-				
5 4-methyl-2-pentanone	U	U	U	U				
5 2-hexanone	U	U	U	U				
5 tetrachloroethene	U	U	U	U				
5 1,1,2,2-tetrachloroethane	U	U	U	U				
1 toluene	U	U	U	U				
5 chlorobenzene	U	U	U	U				
1 ethylbenzene	U	U	U	U				
5 styrene	U	U	U	U				
2 xylenes (total)	U	U	U	U				
Surrogate Recovery, %								
dibromofluoromethane	84	88	90	92				
1,2-dichloroethane-d4	73	80	84	105				
toluene-d8	80	85	84	91				
4-bromofluorobenzene	91	96	97	94				

## QUALIFIER CODES – TCL SVOCs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/1/2005

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory Accutest  
 Case/Order # J8775  
 Fraction/Method CLP Semivolatiles

		Sample Description or Location	CF-001	CF-002	FD-090105												
		Sample Number	J8775-1	J8775-2	J8775-3												
		Matrix	Soil	Soil	Soil												
		Percent Solids	93.3	90.6	93.1												
		Dilution Factor	1	1	1												
AQ	SOIL	Sampling Date	9/1/2005	9/1/2005	9/1/2005												
RL	RL	Comments															
10	70	bis(2-chloroisopropyl)ether	U	U	U												
10	70	1,2-dichlorobenzene	U	U	U												
10	70	1,3-dichlorobenzene	U	U	U												
10	70	1,4-dichlorobenzene	U	U	U												
10	180	phenol	U	U	U												
10	70	bis(2-chloroethyl)ether	U	U	U												
10	180	2-chlorophenol	U	U	U												
10	180	2-methylphenol	U	U	U												
10	180	4-methylphenol	U	U	U												
10	70	N-nitroso-di-n-propylamine	U	U	U												
10	180	hexachloroethane	U	U	U												
10	70	nitrobenzene	U	U	U												
10	70	isophorone	U	U	U												
10	180	2-nitrophenol	U	U	U												
10	180	2,4-dimethylphenol	U	U	U												
10	70	bis(2-chloroethoxy)methane	U	U	U												
10	180	2,4-dichlorophenol	U	U	U												
10	70	naphthalene	U	49.9 J	J												
10	180	4-chloroaniline	U	U	U												

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name **Pearless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **9/1/2005**

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J8775**  
 Fraction/Method **CLP Semivolatiles**

Sample Description or Location	CF-001	CF-002	FD-090105															
Sample Number	J8775-1	J8775-2	J8775-3															
10 70 hexachlorobutadiene	U	U	U															
10 180 4-chloro-3-methylphenol	U	U	U															
10 70 2-methylnaphthalene	U	34.5 J	J	U														
10 700 hexachlorocyclopentadiene	U	U	U															
10 180 2,4,6-trichlorophenol	U	U	U															
25 180 2,4,5-trichlorophenol	U	U	U															
10 70 2-chloronaphthalene	U	U	U															
25 180 2-nitroaniline	U	U	U															
10 70 dimethylphthalate	U	U	U															
10 70 acenaphthylene	U	110	U	U														
10 70 2,6-dinitrotoluene	U	U	U															
25 180 3-nitroaniline	U	U	U															
10 70 acenaphthene	U	80.3	U	U														
25 700 2,4-dinitrophenol	U	U	U															
25 700 4-nitrophenol	U	U	U															
10 70 dibenzofuran	U	52.3	J	U														
10 70 2,4-dinitrotoluene	U	U	U															
10 70 diethylphthalate	U	U	U															
10 70 4-chlorophenyl-phenylether	U	U	U															
10 70 fluorene	U	117	U															
25 180 4-nitroaniline	U	U	U															

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/1/2005

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory Accutest  
 Case/Order # J8775  
 Fraction/Method CLP Semivolatiles

Sample Description or Location		CF-001	CF-002	FD-090105													
Sample Number		J8775-1	J8775-2	J8775-3													
25	700	4,6-dinitro-2-methylphenol	U	U	U												
10	180	n-nitrosodiphenylamine	U	U	U												
10	70	4-bromophenyl-phenylether	U	U	U												
10	70	hexachlorobenzene	U	U	U												
25	700	pentachlorophenol	U	U	U												
10	70	phenanthrene	49.2 J	J	1030	55.1 J	J										
10	70	anthracene	U	313	U												
10	70	carbazole	U	56.7 J	J	U											
10	70	di-n-butylphthalate	U	44.9 J	J	U											
10	70	fluoranthene	104	2050	120												
10	70	pyrene	87.0	2280	106												
10	70	butylbenzylphthalate	U	82.7	U												
10	180	3,3'-dichlorobenzidine	U	U	U												
10	70	benzo(a)anthracene	56.4 J	J	1050	64.2 J	J										
10	70	chrysene	53.6 J	J	952	59.4 J	J										
10	70	bis(2-ethylhexyl)phthalate	U	171	U												
10	70	di-n-octylphthalate	U	U	U												
10	70	benzo(b)fluoranthene	49.5 J	J	1070	63.5 J	J										
10	70	benzo(k)fluoranthene	47.4 J	J	1090	50.7 J	J										
10	70	benzo(a)pyrene	55.5 J	J	1130	65.4 J	J										
10	70	indeno(1,2,3-cd)pyrene	34.0 J	J	519	48.1 J	J										
10	70	dibenz(a,h)anthracene	U	111	U												
10	70	benzo(g,h,i)-perylene	31.9 J	J	416	37.4 J	J										

## QUALIFIER CODES – TCL PESTICIDES

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL PESTICIDES

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/1/2005

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory Accutext  
 Case/Order # J8775  
 Fraction/Method CLP Pesticides

Sample Description or Location	CF-001	CF-002	FD-090105						
Sample Number	J8775-1	J8775-2	J8775-3						
Matrix	Soil	Soil	Soil						
Percent Solids	93.3	90.6	93.1						
Dilution Factor	1	1	1						
Sampling Date	9/1/2005	9/1/2005	9/1/2005						
RL	Comments								
1.3	aldrin	5.4	40.1	9.1					
1.3	alpha-BHC	U	U	U					
1.3	beta-BHC	U	U	U					
1.3	delta-BHC	U	U	U					
1.3	gamma-BHC (Lindane)	U	U	U					
1.3	alpha-chlordane	18.5	5.2	19.6					
1.3	gamma-chlordane	19.1	4.7	20.1					
1.3	dieldrin	14.6	10.8	13.1					
1.3	4,4'-DDD	U	2.7	U					
1.3	4,4'-DDE	6.0	U	6.7					
1.3	4,4'-DDT	11.1	12.2	11.0					
1.3	endrin	U	U	U					
1.3	endosulfan sulfate	U	U	U					
1.3	endrin aldehyde	U	U	U					
1.3	endosulfan-I	U	U	U					
1.3	endosulfan-II	U	U	U					
1.3	heptachlor	2.4 J	J	2.5 J	J				
1.3	heptachlor epoxide	2.4 J	J	2.6 J	J				
3.3	methoxychlor	U	U	U					
3.3	endrin ketone	U	U	U					
17	toxaphene	U	U	U					
	Surrogate Recovery, %								
	tetrachloro-m-xylene	87	94	79					
	tetrachloro-p-xylene	76	98	74					
	decachlorobiphenyl	82	96	75					
	decachlorobiphenyl	115	74	93					



## QUALIFIER CODES – TCL PCBs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL POLYCHLORINATED BIPHENYLS

Site Name	Peerless Photo Products	Laboratory	Accutest
Project Number	68.28817.0001	Case/Order #	J8775
Sampling Date(s)	9/1/2005	Fraction/Method	CLP PCBs
		Soil samples in mg/kg	
		Aqueous samples in ug/L	

Sample Description or Location	CF-001	CF-002	FD-090105						
Sample Number	J8775-1	J8775-2	J8775-3						
Matrix	Soil	Soil	Soil						
Percent Solids	93.3	90.6	93.1						
Dilution Factor	1	1	1						
Sampling Date	9/1/2005	9/1/2005	9/1/2005						
RL	Comments								
33	Aroclor 1016	U	U	U					
33	Aroclor 1221	U	U	U					
33	Aroclor 1232	U	U	U					
33	Aroclor 1242	U	U	U					
33	Aroclor 1248	U	U	U					
33	Aroclor 1254	U	U	U					
33	Aroclor 1260	U	U	U					
	Surrogate Recovery, %								
	tetrachloro-m-xylene	99	90	80					
	tetrachloro-m-xylene	99	88	81					
	decachlorobiphenyl	105	95	90					
	decachlorobiphenyl	104	96	93					

## QUALIFIER CODES - METALS

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ - The result is an estimated quantity, but the result may be biased high.
- J- - The result is an estimated quantity, but the result may be biased low.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - INORGANIC ANALYTES

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/1/2005

Soil in mg/kg

Laboratory

Accutest  
 Case/Order # J8775  
 Fraction/Method TAL Metals - SW-846 3010A/6010B

Sample Location or Description		CF-001	CF-002	FD090105									
Sample Number		J8775-1	J8775-2	J8775-3									
Sampling Date		9/1/2005	9/1/2005	9/1/2005									
IDL/CRDL		P	Hg										
20	Aluminum	X	7760	6760	7840								
1	Antimony	X	U	1.3	U								
1	Arsenic	X	2.3	5.6	2.5								
20	Barium	X	54.3	53.9	59.9								
0.5	Beryllium	X	U	U	U								
0.5	Cadmium	X	U	U	U								
500	Calcium	X	1720	6750	1580								
1	Chromium	X	18.7	17.3	21.9								
5	Cobalt	X	6.4		6.4								
2.5	Copper	X	17.6	62.2	19.2								
10	Iron	X	12800	13800	13600								
1	Lead	X	40.8	93.9	47.3								
500	Magnesium	X	2010	2910	1930								
1.5	Manganese	X	265	215	277								
0.03	Mercury	X	0.073	0.11	0.070								
4	Nickel	X	18.4	77.8	20.0								
500	Potassium	X	954	829	920								
1	Selenium	X	U	1.1	U								
1	Silver	X	U	U	U								
500	Sodium	X	U	767	U								
1	Thallium	X	U	U	U								
5	Vanadium	X	26.0	21.6	24.4								
2	Zinc	X	45.1	64.6	50.9								
1	Cyanide		U	2.0	U								

**APPENDIX A**



## SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: ATC Associates, Inc.

Job No J8775

Site: AGFA-Peerless, Shorham, NY

Report Date 9/22/2005 11:25:56 A

3 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 09/01/2005 and were received at Accutest on 09/03/2005 properly preserved, at 4 Deg. C and intact. These Samples received an Accutest job number of J8775. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V1A1239

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J8897-2MS, J8897-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Carbon disulfide are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Carbon disulfide are outside control limits. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VX1684

- All samples were analyzed within the recommended method holding time.
- Sample(s) J8775-2MS, J8775-2MSD were used as the QC samples indicated.
- Sample(s) J8775-1, J8775-2, J8775-3 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
- Blank Spike Recovery(s) for Bromoform are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2-Butanone (MEK) are outside control limits for sample J8775-2MSD. Outside control limits due to matrix interference.

### Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP21271

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J8775-2MS, J8775-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Di-n-octyl phthalate are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Di-n-octyl phthalate are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, 2-Nitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene, Hexachloroethane are outside control limits for sample OP21271-MSD. Outside control limits due to matrix interference.
- J8775-2: Confirmation run.

## Extractables by GC By Method SW846 8081A

Matrix: SO

Batch ID: OP21274

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J8775-2MS, J8775-2MSD, OP21274-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for beta-BHC, Dieldrin, Methoxychlor are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for beta-BHC are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Dieldrin, Endosulfan sulfate, Endrin ketone are outside control limits for sample OP21274-MSD. Outside control limits due to matrix interference.
- J8775-3 for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.
- J8775-3 for Dieldrin: Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.
- J8775-3 for 4,4'-DDE: Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.
- J8775-3 for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- J8775-2 for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.
- J8775-2 for 4,4'-DDT: Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.
- J8775-1 for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.
- J8775-1 for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- Matrix Spike and Matrix Spike Duplicate Recovery(s) for Aldrin are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for Aldrin are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- J8775-1 for 4,4'-DDE: Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

## Extractables by GC By Method SW846 8082

Matrix: SO

Batch ID: OP21275

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J8775-2MS, J8775-2MSD, OP21275-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

## Metals By Method SW846 6010B

<b>Matrix:</b> SO	<b>Batch ID:</b> MP31426
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J8775-2MS, J8775-2MSD, J8775-2SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Copper, Iron, Magnesium, Manganese, Nickel are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Lead, Manganese, Nickel, Iron are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike and Matrix Spike Duplicate Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Chromium, Copper, Iron, Magnesium are outside control limits for sample MP31426-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Cadmium, Selenium, Sodium are outside control limits for sample MP31426-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Potassium are outside control limits indicating possible matrix interference. Results confirmed with analysis of second dilution.

## Metals By Method SW846 7471A

<b>Matrix:</b> SO	<b>Batch ID:</b> MP31423
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J8775-2MS, J8775-2MSD were used as the QC samples for metals.

## Wet Chemistry By Method ASTM 4643-00

<b>Matrix:</b> SO	<b>Batch ID:</b> GN82449
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- There is no applicable data to evaluate for ASTM 4643-00.

## Wet Chemistry By Method SW846 9012 M

<b>Matrix:</b> SO	<b>Batch ID:</b> GP29778
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- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J8775-2MS, J8775-2DUP were used as the QC samples for Cyanide.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP29778-D1. High RPD due to possible sample nonhomogeneity.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J8775).



**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Customer Sample Code	Laboratory Sample ID	Analytical Requirements						
		VOA GC/MS	BNA GC/MS	GC	GC	GC	Metals	Other
		Method 8260B	Method 8270C	Method 8081A	Method 8082	Method 8151		CYANIDE
CF-001	J8775-1	X	X	X	X		X	X
CF-002	J8775-2	X	X	X	X		X	X
FD-090105	J8775-3	X	X	X	X		X	X
TRIP BLANK	J8775-4	X						

## Report of Analysis

<b>Client Sample ID:</b> CF-001	
<b>Lab Sample ID:</b> J8775-1	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 93.3
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X43633.D	1	09/09/05	DTM	n/a	n/a	VX1684
Run #2							

Run #	Initial Weight
Run #1	5.1 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	1.9	ug/kg	
71-43-2	Benzene	ND	1.1	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	0.18	ug/kg	
75-25-2	Bromoform	ND	5.3	0.50	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	0.27	ug/kg	
75-00-3	Chloroethane	ND	5.3	1.2	ug/kg	
67-66-3	Chloroform	ND	5.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.3	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	0.32	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	0.24	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	0.28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.3	0.36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.3	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.3	0.40	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	0.61	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	0.21	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	0.28	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.53	ug/kg	
591-78-6	2-Hexanone	ND	5.3	0.94	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	1.2	ug/kg	
75-09-2	Methylene chloride	3.0	5.3	0.22	ug/kg	JB
100-42-5	Styrene	ND	5.3	0.68	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	0.51	ug/kg	
127-18-4	Tetrachloroethene	ND	5.3	0.82	ug/kg	
108-88-3	Toluene	ND	1.1	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	0.72	ug/kg	
79-01-6	Trichloroethene	ND	5.3	0.47	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-001	
<b>Lab Sample ID:</b> J8775-1	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 93.3
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.3	0.27	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		70-122%
17060-07-0	1,2-Dichloroethane-D4	73%		62-131%
2037-26-5	Toluene-D8	80%		76-119%
460-00-4	4-Bromofluorobenzene	91%		67-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-001		<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-1		<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 93.3
<b>Method:</b> SW846 8270C SW846 3550B		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R46791.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	42	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	14	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	40	ug/kg	
95-48-7	2-Methylphenol	ND	180	34	ug/kg	
	3&4-Methylphenol	ND	180	34	ug/kg	
88-75-5	2-Nitrophenol	ND	180	42	ug/kg	
100-02-7	4-Nitrophenol	ND	700	57	ug/kg	
87-86-5	Pentachlorophenol	ND	700	45	ug/kg	
108-95-2	Phenol	ND	180	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	70	3.8	ug/kg	
208-96-8	Acenaphthylene	ND	70	17	ug/kg	
120-12-7	Anthracene	ND	70	5.5	ug/kg	
56-55-3	Benzo(a)anthracene	56.4	70	3.7	ug/kg	J
50-32-8	Benzo(a)pyrene	55.5	70	6.4	ug/kg	J
205-99-2	Benzo(b)fluoranthene	49.5	70	5.0	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	31.9	70	6.1	ug/kg	J
207-08-9	Benzo(k)fluoranthene	47.4	70	5.7	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	70	4.8	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	7.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	6.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	9.8	ug/kg	
86-74-8	Carbazole	ND	70	5.0	ug/kg	
218-01-9	Chrysene	53.6	70	4.9	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	70	5.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	6.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	5.5	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	CF-001	<b>Date Sampled:</b>	09/01/05
<b>Lab Sample ID:</b>	J8775-1	<b>Date Received:</b>	09/03/05
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	93.3
<b>Method:</b>	SW846 8270C SW846 3550B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	5.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	5.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	6.3	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	6.2	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	70	10	ug/kg	
132-64-9	Dibenzofuran	ND	70	4.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	6.4	ug/kg	
84-66-2	Diethyl phthalate	ND	70	5.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	3.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	5.7	ug/kg	
206-44-0	Fluoranthene	104	70	4.0	ug/kg	
86-73-7	Fluorene	ND	70	5.9	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	70	5.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	7.4	ug/kg	
67-72-1	Hexachloroethane	ND	180	6.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	34.0	70	9.7	ug/kg	J
78-59-1	Isophorone	ND	70	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	4.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	180	7.8	ug/kg	
91-20-3	Naphthalene	ND	70	4.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	3.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	5.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	4.4	ug/kg	
85-01-8	Phenanthrene	49.2	70	4.8	ug/kg	J
129-00-0	Pyrene	87.0	70	4.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		34-111%
4165-62-2	Phenol-d5	67%		34-111%
118-79-6	2,4,6-Tribromophenol	73%		33-122%
4165-60-0	Nitrobenzene-d5	71%		29-114%
321-60-8	2-Fluorobiphenyl	66%		38-110%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-001	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-1	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.3
<b>Method:</b> SW846 8270C SW846 3550B	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	78%		32-136%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.68	450	ug/kg	J
	system artifact	3.96	340	ug/kg	J
	system artifact/aldol-condensation	4.29	39000	ug/kg	J
	system artifact	5.10	340	ug/kg	J
	alkane	12.51	160	ug/kg	J
	alkane	15.63	150	ug/kg	J
	Total TIC, Semi-Volatile		310	ug/kg	J

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-001	
<b>Lab Sample ID:</b> J8775-1	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8081A SW846 3545	<b>Percent Solids:</b> 93.3
<b>Project:</b> AGFA-Peerless, Shorham, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA25146.D	1	09/09/05	MCR	09/06/05	OP21274	GOA800
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	5.4	1.4	0.52	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.13	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.64	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.10	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.36	ug/kg	
5103-71-9	alpha-Chlordane <sup>a</sup>	18.5	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	19.1	1.4	0.18	ug/kg	
60-57-1	Dieldrin	14.6	1.4	0.25	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.25	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	6.0	1.4	0.28	ug/kg	
50-29-3	4,4'-DDT	11.1	1.4	0.27	ug/kg	
72-20-8	Endrin	ND	1.4	0.17	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.23	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.24	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.14	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.41	ug/kg	
76-44-8	Heptachlor	2.4	1.4	0.090	ug/kg	
1024-57-3	Heptachlor epoxide <sup>c</sup>	2.4	1.4	0.22	ug/kg	
72-43-5	Methoxychlor	ND	3.6	0.44	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	0.24	ug/kg	
8001-35-2	Toxaphene	ND	18	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		30-140%
877-09-8	Tetrachloro-m-xylene	76%		30-140%
2051-24-3	Decachlorobiphenyl	82%		23-155%
2051-24-3	Decachlorobiphenyl	115%		23-155%

(a) Reported from 2nd signal due to interference on 1st signal.

(b) Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method block

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> CF-001	
<b>Lab Sample ID:</b> J8775-1	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8081A SW846 3545	<b>Percent Solids:</b> 93.3
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected      MDL - Method Detection Limit  
RL = Reporting Limit

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> CF-001	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-1	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.3
<b>Method:</b> SW846 8082 SW846 3545	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G4358.D	1	09/07/05	MCR	09/06/05	OP21275	G3G162
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	8.1	ug/kg	
11104-28-2	Aroclor 1221	ND	36	8.4	ug/kg	
11141-16-5	Aroclor 1232	ND	36	8.4	ug/kg	
53469-21-9	Aroclor 1242	ND	36	5.5	ug/kg	
12672-29-6	Aroclor 1248	ND	36	9.7	ug/kg	
11097-69-1	Aroclor 1254	ND	36	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	36	5.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		28-136%
877-09-8	Tetrachloro-m-xylene	99%		28-136%
2051-24-3	Decachlorobiphenyl	105%		27-151%
2051-24-3	Decachlorobiphenyl	104%		27-151%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-001	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-1	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.3
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7760	21	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	<1.0	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	2.3	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	54.3	21	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	<0.52	0.52	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	<0.52	0.52	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	1720	520	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	18.7	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	6.4	5.2	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	17.6	2.6	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	12800	10	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	40.8	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	2010	520	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	265	1.6	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.073	0.033	mg/kg	1	09/06/05	09/07/05	MKW SW846 7471A <sup>1</sup>	SW846 7471A <sup>3</sup>
Nickel	18.4	4.2	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	954	520	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	<1.0	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	<1.0	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	<520	520	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	<1.0	1.0	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	26.0	5.2	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	45.1	2.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA16284

(2) Instrument QC Batch: MA16286

(3) Prep QC Batch: MP31423

(4) Prep QC Batch: MP31426

## Report of Analysis

<b>Client Sample ID:</b> CF-001	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-1	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.3
<b>Project:</b> AGFA-Peerless, Shorham, NY	

**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.25	0.25	mg/kg	1	09/09/05 12:20	NR	SW846 9012 M
Solids, Percent	93.3		%	1	09/07/05	AK	ASTM 4643-00

## Report of Analysis

<b>Client Sample ID:</b> CF-002	
<b>Lab Sample ID:</b> J8775-2	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 90.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X43634.D	1	09/09/05	DTM	n/a	n/a	VX1684
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.0	ug/kg	
71-43-2	Benzene	ND	1.1	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.19	ug/kg	
75-25-2	Bromoform	ND	5.5	0.53	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.28	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.86	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.34	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.25	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	0.30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.42	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.65	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.56	ug/kg	
591-78-6	2-Hexanone	ND	5.5	0.99	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	1.3	ug/kg	
75-09-2	Methylene chloride	3.0	5.5	0.24	ug/kg	JB
100-42-5	Styrene	ND	5.5	0.71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.53	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.87	ug/kg	
108-88-3	Toluene	ND	1.1	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.62	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.75	ug/kg	
79-01-6	Trichloroethene	1.3	5.5	0.49	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-002	
<b>Lab Sample ID:</b> J8775-2	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 90.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.5	0.28	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-122%
17060-07-0	1,2-Dichloroethane-D4	80%		62-131%
2037-26-5	Toluene-D8	85%		76-119%
460-00-4	4-Bromofluorobenzene	96%		67-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound **26**

## Report of Analysis

<b>Client Sample ID:</b> CF-002	
<b>Lab Sample ID:</b> J8775-2	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8270C SW846 3550B	<b>Percent Solids:</b> 90.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R46792.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624
Run #2 <sup>a</sup>	R46802.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624

Run #	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	45	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	44	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	42	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	740	15	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	740	42	ug/kg	
95-48-7	2-Methylphenol	ND	180	35	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	44	ug/kg	
100-02-7	4-Nitrophenol	ND	740	60	ug/kg	
87-86-5	Pentachlorophenol	ND	740	47	ug/kg	
108-95-2	Phenol	ND	180	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	80.3	74	3.9	ug/kg	
208-96-8	Acenaphthylene	110	74	18	ug/kg	
120-12-7	Anthracene	313	74	5.7	ug/kg	
56-55-3	Benzo(a)anthracene	1050	74	3.9	ug/kg	
50-32-8	Benzo(a)pyrene	1130	74	6.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	1070	74	5.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	416	74	6.4	ug/kg	
207-08-9	Benzo(k)fluoranthene	1090	74	5.9	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	5.0	ug/kg	
85-68-7	Butyl benzyl phthalate	82.7	74	7.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	7.0	ug/kg	
106-47-8	4-Chloroaniline	ND	180	10	ug/kg	
86-74-8	Carbazole	56.7	74	5.2	ug/kg	J
218-01-9	Chrysene	952	74	5.1	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	5.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	7.2	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	5.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	CF-002	<b>Date Sampled:</b>	09/01/05
<b>Lab Sample ID:</b>	J8775-2	<b>Date Received:</b>	09/03/05
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	90.6
<b>Method:</b>	SW846 8270C SW846 3550B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	74	6.1	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	74	6.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	74	6.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	74	6.6	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	74	6.5	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	111	74	11	ug/kg	
132-64-9	Dibenzofuran	52.3	74	4.7	ug/kg	J
84-74-2	Di-n-butyl phthalate	44.9	74	5.4	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	74	6.7	ug/kg	
84-66-2	Diethyl phthalate	ND	74	5.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	4.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	171	74	5.9	ug/kg	
206-44-0	Fluoranthene	2050	74	4.2	ug/kg	
86-73-7	Fluorene	117	74	6.2	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	5.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	74	5.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	7.8	ug/kg	
67-72-1	Hexachloroethane	ND	180	6.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	519	74	10	ug/kg	
78-59-1	Isophorone	ND	74	14	ug/kg	
91-57-6	2-Methylnaphthalene	34.5	74	4.5	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	9.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	8.2	ug/kg	
91-20-3	Naphthalene	49.9	74	4.7	ug/kg	J
98-95-3	Nitrobenzene	ND	74	3.7	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	5.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	4.6	ug/kg	
85-01-8	Phenanthrene	1030	74	5.0	ug/kg	
129-00-0	Pyrene	2280	74	4.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	74	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%	77%	34-111%
4165-62-2	Phenol-d5	76%	82%	34-111%
118-79-6	2,4,6-Tribromophenol	84%	87%	33-122%
4165-60-0	Nitrobenzene-d5	76%	77%	29-114%
321-60-8	2-Fluorobiphenyl	75%	75%	38-110%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method b  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-002		<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-2		<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 90.6
<b>Method:</b> SW846 8270C SW846 3550B		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

## ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1718-51-0	Terphenyl-d14	104%	105%	32-136%		
CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q	
	system artifact	3.69	330	ug/kg	J	
	system artifact	3.96	430	ug/kg	J	
	system artifact/aldol-condensation	4.28	45000	ug/kg	J	
	system artifact	5.10	230	ug/kg	J	
	Phenanthrene methyl	15.90	180	ug/kg	J	
	Phenanthrene methyl	15.96	230	ug/kg	J	
	unknown	16.15	390	ug/kg	J	
	Naphthalene, -phenyl-	16.62	190	ug/kg	J	
	unknown	17.75	150	ug/kg	J	
	unknown	18.23	150	ug/kg	J	
	Pyrene methyl	18.64	190	ug/kg	J	
	Pyrene methyl	18.89	740	ug/kg	J	
	Pyrene methyl	19.04	330	ug/kg	J	
	Pyrene methyl	19.12	190	ug/kg	J	
	Pyrene methyl	19.32	180	ug/kg	J	
	7H-Benz[de]anthracen-one	20.12	210	ug/kg	J	
	Benzo[b]naphtho[d]thiophene	20.34	230	ug/kg	J	
	unknown	20.43	320	ug/kg	J	
	unknown	20.86	250	ug/kg	J	
	unknown	21.18	200	ug/kg	J	
	unknown	21.45	180	ug/kg	J	
	unknown	21.57	230	ug/kg	J	
	Chrysene methyl	21.89	310	ug/kg	J	
	unknown PAH C20H12	23.53	490	ug/kg	J	
	unknown	23.74	380	ug/kg	J	
	unknown PAH C20H12	23.87	1100	ug/kg	J	
	unknown	25.16	210	ug/kg	J	
	unknown	25.77	480	ug/kg	J	
	unknown	26.59	300	ug/kg	J	
	Total TIC, Semi-Volatile		7810	ug/kg	J	

(a) Confirmation run.

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 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> CF-002	
<b>Lab Sample ID:</b> J8775-2	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8081A SW846 3545	<b>Percent Solids:</b> 90.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA25147.D	1	09/09/05	MCR	09/06/05	OP21274	GOA800
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	40.1	1.4	0.52	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.13	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.64	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.10	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.36	ug/kg	
5103-71-9	alpha-Chlordane <sup>a</sup>	5.2	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	4.7	1.4	0.18	ug/kg	
60-57-1	Dieldrin	10.8	1.4	0.25	ug/kg	
72-54-8	4,4'-DDD	2.7	1.4	0.25	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.28	ug/kg	
50-29-3	4,4'-DDT <sup>b</sup>	12.2	1.4	0.27	ug/kg	
72-20-8	Endrin	ND	1.4	0.17	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.23	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.24	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.14	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.41	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.090	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.22	ug/kg	
72-43-5	Methoxychlor	ND	3.6	0.44	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	0.24	ug/kg	
8001-35-2	Toxaphene	ND	18	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		30-140%
877-09-8	Tetrachloro-m-xylene	98%		30-140%
2051-24-3	Decachlorobiphenyl	96%		23-155%
2051-24-3	Decachlorobiphenyl	74%		23-155%

(a) Reported from 2nd signal due to interference on 1st signal.

(b) Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-002		<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-2		<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 90.6
<b>Method:</b> SW846 8082 SW846 3545		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G4359.D	1	09/07/05	MCR	09/06/05	OP21275	G3G162
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

## PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	8.2	ug/kg	
11104-28-2	Aroclor 1221	ND	36	8.4	ug/kg	
11141-16-5	Aroclor 1232	ND	36	8.4	ug/kg	
53469-21-9	Aroclor 1242	ND	36	5.6	ug/kg	
12672-29-6	Aroclor 1248	ND	36	9.7	ug/kg	
11097-69-1	Aroclor 1254	ND	36	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	36	5.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		28-136%
877-09-8	Tetrachloro-m-xylene	88%		28-136%
2051-24-3	Decachlorobiphenyl	95%		27-151%
2051-24-3	Decachlorobiphenyl	96%		27-151%

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 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-002	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-2	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	6760	22	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	1.3	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	5.6	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	53.9	22	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	<0.56	0.56	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	<0.56	0.56	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	6750	560	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	17.3	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	<5.6	5.6	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	62.2	2.8	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	13800	11	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	93.9	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	2910	560	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	215	1.7	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.11	0.034	mg/kg	1	09/06/05	09/07/05	MKW SW846 7471A <sup>1</sup>	SW846 7471A <sup>3</sup>
Nickel	77.8	4.5	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	829	560	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	<1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	767	560	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	<1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	21.6	5.6	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	64.6	2.2	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA16284

(2) Instrument QC Batch: MA16286

(3) Prep QC Batch: MP31423

(4) Prep QC Batch: MP31426

## Report of Analysis

<b>Client Sample ID:</b> CF-002	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-2	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.6
<b>Project:</b> AGFA-Peerless, Shorham, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	2.0	0.26	mg/kg	1	09/09/05 12:21	NR	SW846 9012 M
Solids, Percent	90.6		%	1	09/07/05	AK	ASTM 4643-00

## Report of Analysis

<b>Client Sample ID:</b> FD-090105	
<b>Lab Sample ID:</b> J8775-3	<b>Date Sampled:</b> 09/01/05
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 09/03/05
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> 93.1
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X43635.D	1	09/09/05	DTM	n/a	n/a	VX1684
Run #2							

Run #	Initial Weight
Run #1	5.2 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.9	ug/kg	
71-43-2	Benzene	ND	1.0	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.18	ug/kg	
75-25-2	Bromoform	ND	5.2	0.49	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	0.56	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.26	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.2	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.80	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.32	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	0.28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.35	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.39	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.60	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.27	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.52	ug/kg	
591-78-6	2-Hexanone	ND	5.2	0.93	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	1.2	ug/kg	
75-09-2	Methylene chloride	2.5	5.2	0.22	ug/kg	JB
100-42-5	Styrene	ND	5.2	0.67	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.50	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.81	ug/kg	
108-88-3	Toluene	ND	1.0	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.70	ug/kg	
79-01-6	Trichloroethene	ND	5.2	0.46	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FD-090105	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-3	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.1
<b>Method:</b> SW846 8260B	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.2	0.26	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-122%
17060-07-0	1,2-Dichloroethane-D4	84%		62-131%
2037-26-5	Toluene-D8	84%		76-119%
460-00-4	4-Bromofluorobenzene	97%		67-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	FD-090105	<b>Date Sampled:</b>	09/01/05
<b>Lab Sample ID:</b>	J8775-3	<b>Date Received:</b>	09/03/05
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	93.1
<b>Method:</b>	SW846 8270C SW846 3550B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R46790.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	42	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	14	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	40	ug/kg	
95-48-7	2-Methylphenol	ND	180	34	ug/kg	
	3&4-Methylphenol	ND	180	34	ug/kg	
88-75-5	2-Nitrophenol	ND	180	42	ug/kg	
100-02-7	4-Nitrophenol	ND	700	57	ug/kg	
87-86-5	Pentachlorophenol	ND	700	45	ug/kg	
108-95-2	Phenol	ND	180	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	70	3.8	ug/kg	
208-96-8	Acenaphthylene	ND	70	17	ug/kg	
120-12-7	Anthracene	ND	70	5.5	ug/kg	
56-55-3	Benzo(a)anthracene	64.2	70	3.7	ug/kg	J
50-32-8	Benzo(a)pyrene	65.4	70	6.4	ug/kg	J
205-99-2	Benzo(b)fluoranthene	63.5	70	5.0	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	37.4	70	6.1	ug/kg	J
207-08-9	Benzo(k)fluoranthene	50.7	70	5.7	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	70	4.8	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	7.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	6.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	9.8	ug/kg	
86-74-8	Carbazole	ND	70	5.0	ug/kg	
218-01-9	Chrysene	59.4	70	4.9	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	70	5.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	6.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	5.5	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	FD-090105	<b>Date Sampled:</b>	09/01/05
<b>Lab Sample ID:</b>	J8775-3	<b>Date Received:</b>	09/03/05
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	93.1
<b>Method:</b>	SW846 8270C SW846 3550B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	5.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	5.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	6.3	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	6.2	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	70	10	ug/kg	
132-64-9	Dibenzofuran	ND	70	4.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	6.4	ug/kg	
84-66-2	Diethyl phthalate	ND	70	5.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	3.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	5.7	ug/kg	
206-44-0	Fluoranthene	120	70	4.0	ug/kg	
86-73-7	Fluorene	ND	70	6.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	70	5.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	7.5	ug/kg	
67-72-1	Hexachloroethane	ND	180	6.1	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	48.1	70	9.7	ug/kg	J
78-59-1	Isophorone	ND	70	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	4.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	180	7.9	ug/kg	
91-20-3	Naphthalene	ND	70	4.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	3.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	5.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	4.4	ug/kg	
85-01-8	Phenanthrene	55.1	70	4.8	ug/kg	J
129-00-0	Pyrene	106	70	4.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		34-111%
4165-62-2	Phenol-d5	73%		34-111%
118-79-6	2,4,6-Tribromophenol	84%		33-122%
4165-60-0	Nitrobenzene-d5	78%		29-114%
321-60-8	2-Fluorobiphenyl	69%		38-110%

ND = Not detected MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> FD-090105	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-3	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.1
<b>Method:</b> SW846 8270C SW846 3550B	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	84%		32-136%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.67	340	ug/kg	J
	system artifact	3.96	380	ug/kg	J
	system artifact/aldol-condensation	4.28	41000	ug/kg	J
	system artifact	5.10	190	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FD-090105	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-3	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.1
<b>Method:</b> SW846 8081A SW846 3545	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	OA25148.D	1	09/09/05	MCR	09/06/05	OP21274	GOA800

Run #1	Initial Weight	Final Volume
Run #2	15.3 g	10.0 ml

**Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	9.1	1.4	0.51	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.13	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.10	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.35	ug/kg	
5103-71-9	alpha-Chlordane <sup>a</sup>	19.6	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	20.1	1.4	0.18	ug/kg	
60-57-1	Dieldrin <sup>b</sup>	13.1	1.4	0.24	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.25	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	6.7	1.4	0.27	ug/kg	
50-29-3	4,4'-DDT	11.0	1.4	0.26	ug/kg	
72-20-8	Endrin	ND	1.4	0.16	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.23	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.24	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.13	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.40	ug/kg	
76-44-8	Heptachlor	2.5	1.4	0.088	ug/kg	
1024-57-3	Heptachlor epoxide <sup>c</sup>	2.6	1.4	0.21	ug/kg	
72-43-5	Methoxychlor	ND	3.5	0.43	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	0.24	ug/kg	
8001-35-2	Toxaphene	ND	18	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		30-140%
877-09-8	Tetrachloro-m-xylene	74%		30-140%
2051-24-3	Decachlorobiphenyl	75%		23-155%
2051-24-3	Decachlorobiphenyl	93%		23-155%

(a) Reported from 2nd signal due to interference on 1st signal.

(b) Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

**Client Sample ID:** FD-090105

**Lab Sample ID:** J8775-3

**Matrix:** SO - Soil

**Method:** SW846 8081A SW846 3545

**Project:** AGFA-Peerless, Shorham, NY

**Date Sampled:** 09/01/05

**Date Received:** 09/03/05

**Percent Solids:** 93.1

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FD-090105	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-3	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.1
<b>Method:</b> SW846 8082 SW846 3545	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G4360.D	1	09/07/05	MCR	09/06/05	OP21275	G3G162
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	8.0	ug/kg	
11104-28-2	Aroclor 1221	ND	35	8.2	ug/kg	
11141-16-5	Aroclor 1232	ND	35	8.2	ug/kg	
53469-21-9	Aroclor 1242	ND	35	5.4	ug/kg	
12672-29-6	Aroclor 1248	ND	35	9.5	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.7	ug/kg	
11096-82-5	Aroclor 1260	ND	35	5.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		28-136%
877-09-8	Tetrachloro-m-xylene	81%		28-136%
2051-24-3	Decachlorobiphenyl	90%		27-151%
2051-24-3	Decachlorobiphenyl	93%		27-151%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FD-090105	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-3	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.1
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7840	22	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	<1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	2.5	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	59.9	22	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	<0.55	0.55	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	<0.55	0.55	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	1580	550	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	21.9	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	6.4	5.5	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	19.2	2.8	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	13600	11	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	47.3	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	1930	550	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	277	1.7	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	0.070	0.033	mg/kg	1	09/06/05	09/07/05	MKW SW846 7471A <sup>1</sup>	SW846 7471A <sup>3</sup>
Nickel	20.0	4.4	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	920	550	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	<1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	<1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	<550	550	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	<1.1	1.1	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	24.4	5.5	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	50.9	2.2	mg/kg	1	09/07/05	09/07/05	ND SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA16284

(2) Instrument QC Batch: MA16286

(3) Prep QC Batch: MP31423

(4) Prep QC Batch: MP31426

## Report of Analysis

<b>Client Sample ID:</b> FD-090105		<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-3		<b>Date Received:</b> 09/03/05
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 93.1
<b>Project:</b> AGFA-Peerless, Shorham, NY		

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.24	0.24	mg/kg	1	09/09/05 12:22	NR	SW846 9012 M
Solids, Percent	93.1		%	1	09/07/05	AK	ASTM 4643-00

## Report of Analysis

<b>Client Sample ID:</b>	TRIP BLANK	<b>Date Sampled:</b>	09/01/05
<b>Lab Sample ID:</b>	J8775-4	<b>Date Received:</b>	09/03/05
<b>Matrix:</b>	AQ - Trip Blank Soil	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A29677.D	1	09/08/05	EAG	n/a	n/a	V1A1239
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.4	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.24	ug/l	
74-83-9	Bromomethane	ND	2.0	0.39	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.15	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.48	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.086	ug/l	
75-00-3	Chloroethane	ND	1.0	0.99	ug/l	
67-66-3	Chloroform	ND	1.0	0.15	ug/l	
74-87-3	Chloromethane	ND	1.0	0.60	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.17	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.43	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.2	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.8	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.37	ug/l	
100-42-5	Styrene	ND	5.0	0.085	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.16	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.16	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> TRIP BLANK	<b>Date Sampled:</b> 09/01/05
<b>Lab Sample ID:</b> J8775-4	<b>Date Received:</b> 09/03/05
<b>Matrix:</b> AQ - Trip Blank Soil	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		79-121%
17060-07-0	1,2-Dichloroethane-D4	105%		69-131%
2037-26-5	Toluene-D8	91%		84-115%
460-00-4	4-Bromofluorobenzene	94%		80-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**VOLATILE (VOA) ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J8775-1	Soil	1-Sep-05	3-Sep-05	-	9-Sep-05
J8775-2	Soil	1-Sep-05	3-Sep-05	-	9-Sep-05
J8775-3	Soil	1-Sep-05	3-Sep-05	-	9-Sep-05
J8775-4	Trip Blank Soil	1-Sep-05	3-Sep-05	-	8-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**SEMIVOLATILE (BNA) ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J8775-1	Soil	1-Sep-05	3-Sep-05	6-Sep-05	8-Sep-05
J8775-2	Soil	1-Sep-05	3-Sep-05	6-Sep-05	8-Sep-05
J8775-3	Soil	1-Sep-05	3-Sep-05	6-Sep-05	8-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**SEMIVOLATILE (BNA) ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil/Conc Factor
J8775-1	Soil	SW8270C	SW3550B	None	30.5g:1.0ml
J8775-2	Soil	SW8270C	SW3545B	None	30.0g:1.0ml
J8775-3	Soil	SW8270C	SW3545B	None	30.5g:1.0ml

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**Pesticide/PCB ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Pesticide					
J8775-1	Soil	1-Sep-05	3-Sep-05	6-Sep-05	9-Sep-05
J8775-2	Soil	1-Sep-05	3-Sep-05	6-Sep-05	9-Sep-05
J8775-3	Soil	1-Sep-05	3-Sep-05	6-Sep-05	9-Sep-05
PCB					
J8775-1	Soil	1-Sep-05	3-Sep-05	6-Sep-05	7-Sep-05
J8775-2	Soil	1-Sep-05	3-Sep-05	6-Sep-05	7-Sep-05
J8775-3	Soil	1-Sep-05	3-Sep-05	6-Sep-05	7-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**Pesticide/PCB ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil/Conc Factor
Pesticide					
J8775-1	Soil	SW8081A	SW3545	None	15.0g:10.0ml
J8775-2	Soil	SW8081A	SW3545	None	15.4g:10.0ml
J8775-3	Soil	SW8081A	SW3545	None	15.3g:10.0ml
PCB					
J8775-1	Soil	SW8082	SW3545	None	15.0g:10.0ml
J8775-2	Soil	SW8082	SW3545	None	15.4g:10.0ml
J8775-3	Soil	SW8082	SW3545	None	15.3g:10.0ml

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**INORGANIC ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
J8775-1	Soil	T.A.L.Metals	3-Sep-05	7-Sep-05
J8775-2	Soil	T.A.L.Metals	3-Sep-05	7-Sep-05
J8775-3	Soil	T.A.L.Metals	3-Sep-05	7-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**CYANIDE ANALYSIS**

Project Number: J8775

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J8775-1	Soil	1-Sep-05	3-Sep-05	-	9-Sep-05
J8775-2	Soil	1-Sep-05	3-Sep-05	-	9-Sep-05
J8775-3	Soil	1-Sep-05	3-Sep-05	-	9-Sep-05



# CHAIN OF CUSTODY

2235 Route 130, Dayton NJ 08810  
TEL: 732-329-0200 FAX: 732-329-3499/3480  
www.accutest.com

50178

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # J8775

Client / Reporting Information			Project Information										Requested Analysis													Matrix Codes													
Company Name ATC ASSOCIATES			Project Name Peerless Photo Products s.c.k										8280 <input type="checkbox"/> 8281 <input type="checkbox"/> 502 <input type="checkbox"/> PA-JS <input type="checkbox"/> SITEX <input type="checkbox"/> LITE <input type="checkbox"/> TEA <input type="checkbox"/> NAP <input type="checkbox"/> PAUG <input type="checkbox"/> 8280 <input type="checkbox"/> 624 <input type="checkbox"/> TOL <input type="checkbox"/> PP <input type="checkbox"/> STMS <input type="checkbox"/> ACBE <input type="checkbox"/> TBA <input type="checkbox"/> RAF <input type="checkbox"/> +10 <input type="checkbox"/> +15 <input type="checkbox"/> 2270 <input type="checkbox"/> 10L <input type="checkbox"/> PP <input type="checkbox"/> STMS <input type="checkbox"/> ASP <input type="checkbox"/> 24 <input type="checkbox"/> PA-J <input type="checkbox"/> PAUF <input type="checkbox"/> +23 <input type="checkbox"/> FULL TAL +30 FULL TAL +30 MATRIX SPEC/MSD Pesticides / PCBs CYANIDE													DW - Drinking Water													
Address 3 TERRI LAKE			Street																							GW - Ground Water													
City Burlington NJ			City Shoreham NY																							WW - Water													
State NJ			State NY																							SW - Surface Water													
Project Contact Mike McNally			Project #										SO - Soil																										
E-mail			Fax #										SL - Sludge																										
Phone # 609 386 8800 EXT 227			Client Purchase Order #										OI - Oil																										
Sampler's Name Michael McNally													LIQ - Other Liquid																										
Accutest Sample #	Field ID / Point of Collection	SUMMA #	Collection			Number of preserved Bottles															LAB USE ONLY																		
MECH Val #	Date	Time	Sampled By	Matrix	# of bottles	8280	8281	502	PA-JS	SITEX	LITE	TEA	NAP	PAUG	8280	624	TOL	PP	STMS	ACBE	TBA	RAF	+10	+15	2270	10L	PP	STMS	ASP	24	PA-J	PAUF	+23						
-1	CF-001		9-1-05	1040	MJA	S	4																																
-2	CF-002		9-1-05	1325	J	S	8																																
-3	FD-090105		9-1-05		J	S	4																																
-4	TAP BLANK		9-1-05		N		X																																
			8/29/05	0630																																			
			TMS	9/3/05																																			

Turnaround Time (Business Days)		Data Deliverable Information		Comments / Remarks	
<input type="checkbox"/> Std 15 Business Days <input type="checkbox"/> 10 Day RUSH <input type="checkbox"/> 5 Day RUSH <input checked="" type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other	Approved By / Date:  <u>Neil L.</u>	<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> Other	<input type="checkbox"/> FULL CLP <input type="checkbox"/> NYASP Category A <input checked="" type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> CDD Format	RUSH! 3-DAY TURN  EX58 ME3 1961 2190	

Emergency & Rush TIA data available VIA LabLink

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by: [Signature]	Date Time: 9:20 AM	Received by: [Signature]	Relinquished by: [Signature]	Date Time: 9/2/05	Received by: [Signature]
Relinquished by: [Signature]	Date Time: 9/3/05	Received by: [Signature]	Relinquished by: [Signature]	Date Time: [Signature]	Received by: [Signature]
Relinquished by: [Signature]	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:

Custody Seal # NONE

Preserved where applicable  On Ice  Cooler Temp 4.0°C

USE NYSPC ASP PROTOCOLS



**APPENDIX B**

# Volatile/Semivolatile Data Review Summary

ATC

BCM Project Name: Peerless Photo Products  
 BCM Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J8775  
 Sampling Date(s): 9/1/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/6/2006

Fraction Reviewed:  VOLATILE ORGANICS  SEMIVOLATILE ORGANICS  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other  
 Method:  CLP SOW  40 CFR 136 Meth. 601/602  SW-846 Method 8260B  Other

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	Comments
Holding Times	X			< 14 days soil / 7 days water
GC/MS Tuning	X			
Initial Calibrations	X			<25 RPD
Continuing Calibrations	X			<20 RPD
Blank Analysis Results	X			Methylene chloride (<RL)
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results	X			75-125%R <20 RPD
Field Duplicate Results	X			<50 RPD
Internal Standard Areas/RT				NR
Target Compound Identification				NR
TIC Identification				NR
Quantitation/Detection Limits				NR
Laboratory Control Sample	X			80-120%
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist \_\_\_\_\_ Date \_\_\_\_\_



# Volatile/Semivolatile Data Review Summary

ATC

BCM Project Name: Peerless Photo Products  
 BCM Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J8775  
 Sampling Date(s): 9/1/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/6/2006

Fraction Reviewed:  VOLATILE ORGANICS  SEMIVOLATILE ORGANICS  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other  
 Method:  CLP SOW  40 CFR 136 Meth. 601/602  SW-846 Method 8270B  Other

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	Comments
Holding Times	X			<40 days
GC/MS Tuning	X			
Initial Calibrations	X			<25 RSD
Continuing Calibrations	X			<20 RPD
Blank Analysis Results	X			<RL
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results	X			75-125% R 20 RPD
Field Duplicate Results	X			<50 RPD
Internal Standard Areas/RT	X			Within acceptance limits
Target Compound Identification	X			
TIC Identification	X			
Quantitation/Detection Limits	X			
Laboratory Control Sample	X			80-120% R
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M. Traxler Date 3/17/06

# Semivolatile Field Duplicate Precision Worksheet ATC

Project Name: Peerless Photo Products  
 Project Number: 68.28817.0001

Case/SDG Number: J8775

Sample Location or Description	CF-001	FD-090105
Sample Number	J8775-1	J8775-3
Sampling Date	9/1/2005	9/1/2005
Units	mg/kg	mg/kg

Sample Field Duplicate

			RPD	Q
phenol				
bis(2-chloroethyl)ether				
2-chlorophenol				
1,3-dichlorobenzene				
1,4-dichlorobenzene				
1,2-dichlorobenzene				
2-methylphenol				
2,2'-oxybis(1-chloropropane)				
4-methylphenol				
N-nitroso-di-n-propylamine				
hexachloroethane				
nitrobenzene				
isophorone				
2-nitrophenol				
2,4-dimethylphenol				
bis(2-chloroethoxy)methane				
2,4-dichlorophenol				
1,2,4-trichlorobenzene				
naphthalene				
4-chloroaniline				
hexachlorobutadiene				
4-chloro-3-methylphenol				
2-methylnaphthalene				
hexachlorocyclopentadiene				
2,4,6-trichlorophenol				
2,4,5-trichlorophenol				
2-chloronaphthalene				
2-nitroaniline				
dimethylphthalate				
acenaphthylene				
2,6-dinitrotoluene				
3-nitroaniline				
acenaphthene				
2,4-dinitrophenol				
4-nitrophenol				

# Semivolatile Field Duplicate Precision Worksheet ATC

Project Name: Peerless Photo Products  
 Project Number: 68.28817.0001

Case/SDG Number: J8775

Sample Location or Description	CF-001	FD-090105
Sample Number	J8775-1	J8775-3
Sampling Date	9/1/2005	9/1/2005
Units	mg/kg	mg/kg

Sample Field Duplicate

			RPD	Q
dibenzofuran				
2,4-dinitrotoluene				
diethylphthalate				
4-chlorophenyl-phenylether				
fluorene				
4-nitroaniline				
4,6-dinitro-2-methylphenol				
N-nitrosodiphenylamine				
4-bromophenyl-phenylether				
hexachlorobenzene				
pentachlorophenol				
phenanthrene	49.2	55.1	11	
anthracene				
carbazole				
di-n-butylphthalate				
fluoranthene	104	120	14	
pyrene	87.0	106	20	
butylbenzylphthalate				
3,3'-dichlorobenzidine				
benzo(a)anthracene	56.4	64.2	13	
chrysene	53.6	59.4	10	
bis(2-ethylhexyl)phthalate				
di-n-octylphthalate				
benzo(b)fluoranthene	49.5	63.5	25	
benzo(k)fluoranthene	47.4	50.7	7	
benzo(a)pyrene	55.5	65.4	16	
indeno(1,2,3-cd)pyrene	34.0	48.1	34	
dibenz(a,h)anthracene				
benzo(g,h,i)perylene	31.9	37.4	16	

Comments:

ATC QA Department has adopted the following criteria for field duplicate analysis:

Aqueous matrices 20 % RPD; Soil/Solid matrices 40 % RPD

\* - Denotes RPD outside criteria

# Pesticide Data Review Summary

ATC

ATC Project Name: Peerless Photo Products  
 ATC Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J8775  
 Sampling Date(s): 9/1/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/17/2006

Fraction Reviewed:  PESTICIDES  PCBs  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW  40 CFR 136 Method \_\_\_\_\_  SW-846 Method \_\_\_\_\_  Other \_\_\_\_\_

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations				NA
Blank Analysis Results	X			
System Monitoring/Surrogate Results	X			
MS/MSD Results	X			
Field Duplicate Results	X			
Internal Standard Areas/RT				
Target Compound Identification	X			
Quantitation/Detection Limits	X			
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M. Traxler Date 3/17/06

# Pesticide Field Duplicate Precision

ATC

Project Name: Peerless Photo Products Case No./SDG: J8775  
 Project Number: 68.28817.0001

Sample Description or Location	CF-001
Sample Number	J8775-1
Matrix	Soil
Units	mg/kg
Dilution Factor	1

FD-090105
J8775-3
Soil
mg/kg
1

Compound	Sample Concentration
aldrin	5.4
alpha-BHC	
beta-BHC	
delta-BHC	
gamma-BHC (Lindane)	
alpha-chlordane	18.5
gamma-chlordane	19.1
dieldrin	14.6
4,4'-DDD	
4,4'-DDE	6.0
4,4'-DDT	11.1
endrin	
endosulfan sulfate	
endrin aldehyde	
endosulfan-I	
endosulfan-II	
heptachlor	2.4
heptachlor epoxide	2.4
methoxychlor	
endrin ketone	
toxaphene	

Field Duplicate Concentration	RPD	Q
9.1	51.0	*
19.6	5.8	
20.1	5.1	
13.1	10.8	
6.7	11.0	
11.0	0.9	
2.5	4.1	
2.6	8.0	

QA Scientist M. Harper Date 3/17/66



# PCB Data Review Summary

ATC

ATC Project Name: Peerless Photo Products  
 ATC Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J8775  
 Sampling Date(s): 9/1/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/17/2006

Fraction Reviewed:  PESTICIDES  PCBs  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW  40 CFR 136 Method \_\_\_\_\_  SW-846 Method \_\_\_\_\_  Other \_\_\_\_\_

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations				NA
Blank Analysis Results	X			
System Monitoring/Surrogate Results	X			
MS/MSD Results	X			
Field Duplicate Results	X			
Internal Standard Areas/RT	X			
Target Compound Identification	X			
Quantitation/Detection Limits	X			
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M Traxler Date 3/17/06

# Polychlorinated Biphenyls Field Duplicate Precision

ATC

Project Name: Peerless Photo Products Case No./SDG: J8775  
 Project Number: 68.28817.0001

Sample Description or Location	CF-001
Sample Number	J8775-1
Matrix	Soil
Units	mg/kg
Dilution Factor	1

FD-090105
J8775-3
Soil
mg/kg
1

Compound	Sample Concentration
Aroclor 1016	
Aroclor 1221	
Aroclor 1232	
Aroclor 1242	
Aroclor 1248	
Aroclor 1254	
Aroclor 1260	

Field Duplicate Concentration	RPD	Q

QA Scientist M. Traylor Date 3/17/06

# Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products  
 Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J8775  
 Sampling Date(s): 9/1/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/16/2006

Compound List:  TAL  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW 3/90  SW-846  Other \_\_\_\_\_  
 Matrix:  soil/solid (mg/Kg)  aqueous (ug/L)

The following table indicates the data validation criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept	FYI	qualify	comments
Holding Times	X			Less than 180 days
Calibration Linearity - Furnace, Hg , and CN				NR
Calibration Verification	X			2-point standard
CRDL Standard	X			50 - 150 % R
Calibration Blanks	X			< RL
Preparation Blanks	X			< RL
Field Blank	X			< RL
ICP Interference Check Sample	X			80 - 120 % R
Laboratory Control Sample	X			80 - 120 % R
Matrix Spike Results	X			75 - 125 % R
Laboratory Duplicate Results	X			< 20 RPD
ICP Serial Dilution	X			< 10 RPD
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results	X			< 50 RPD
Sample Result Verification	X			Cadmium and Silver
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M Traxler Date 3/17/06

# Metals Field Duplicate Precision

ATC

Project Name: Peerless Photo Products Case No./SDG: J8775  
 Project Number: 68.28817.0001

Sample Description or Location	CF-001
Sample Number	J8775-1
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Sample Description or Location	FD-090105
Sample Number	J8775-3
Matrix	Soil
Units	mg/kg
Dilution Factor	1

Compound	Sample Concentration
aluminum	7760
antimony	
arsenic	2.3
barium	54.3
beryllium	
cadmium	
calcium	1720
chromium	18.7
cobalt	6.4
copper	17.6
iron	12800
lead	40.8
magnesium	2010
manganese	265
mercury	0.073
nickel	18.4
potassium	954
selenium	
silver	
sodium	
thallium	
vanadium	26.0
zinc	45.1
cyanide	

Field Duplicate Concentration	RPD	Q
7840	1.0	
2.5	8.3	
59.9	9.8	
1580	8.5	
21.9	15.8	
6.4	0.0	
19.2	8.7	
13600	6.1	
47.3	14.8	
1930	4.1	
277	4.4	
0.070	4.2	
20.0	8.3	
920	3.6	
24.4	6.3	
50.9	12.1	

QA Scientist M. Taylor Date 3/17/06

# Method Blank Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX1684-MB1	X43629.D	1	09/09/05	DTM	n/a	n/a	VX1684

The QC reported here applies to the following samples:

Method: SW846 8260B

J8775-1, J8775-2, J8775-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.8	ug/kg	
71-43-2	Benzene	ND	1.0	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.17	ug/kg	
75-25-2	Bromoform	ND	5.0	0.48	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.74	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.26	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.2	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.31	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.34	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.38	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.59	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.26	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.51	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.90	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/kg	
75-09-2	Methylene chloride	3.2	5.0	0.21	ug/kg	J
100-42-5	Styrene	ND	5.0	0.65	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.48	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.79	ug/kg	
108-88-3	Toluene	ND	1.0	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.57	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.68	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.44	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.26	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.55	ug/kg	

*3/17/06 MT  
 Methylene chloride  
 in a method blank.*

# Blank Spike Summary

Job Number: J8775  
Account: BCMNJ ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX1684-BS	X43631.D	1	09/09/05	DTM	n/a	n/a	VX1684

The QC reported here applies to the following samples:

Method: SW846 8260B

J8775-1, J8775-2, J8775-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	80.6	161	18-170
71-43-2	Benzene	50	48.9	98	81-116
75-27-4	Bromodichloromethane	50	51.8	104	83-123
75-25-2	Bromoform	50	69.0	138* a	74-127
74-83-9	Bromomethane	50	42.2	84	60-134
78-93-3	2-Butanone (MEK)	50	68.7	137	37-159
75-15-0	Carbon disulfide	50	42.3	85	52-138
56-23-5	Carbon tetrachloride	50	57.6	115	72-134
108-90-7	Chlorobenzene	50	54.6	109	83-115
75-00-3	Chloroethane	50	39.0	78	61-138
67-66-3	Chloroform	50	48.6	97	79-121
74-87-3	Chloromethane	50	37.3	75	57-139
124-48-1	Dibromochloromethane	50	61.1	122	80-127
75-34-3	1,1-Dichloroethane	50	42.0	84	77-123
107-06-2	1,2-Dichloroethane	50	50.3	101	77-129
75-35-4	1,1-Dichloroethene	50	41.1	82	68-130
156-59-2	cis-1,2-Dichloroethene	50	46.9	94	77-122
156-60-5	trans-1,2-Dichloroethene	50	46.3	93	74-125
78-87-5	1,2-Dichloropropane	50	46.6	93	81-119
10061-01-5	cis-1,3-Dichloropropene	50	53.9	108	83-119
10061-02-6	trans-1,3-Dichloropropene	50	55.2	110	81-123
100-41-4	Ethylbenzene	50	54.1	108	81-118
591-78-6	2-Hexanone	50	59.9	120	44-155
108-10-1	4-Methyl-2-pentanone(MIBK)	50	49.7	99	66-141
75-09-2	Methylene chloride	50	47.4	95	77-123
100-42-5	Styrene	50	57.0	114	85-121
79-34-5	1,1,2,2-Tetrachloroethane	50	50.8	102	75-125
127-18-4	Tetrachloroethene	50	55.5	111	67-132
108-88-3	Toluene	50	53.6	107	82-118
71-55-6	1,1,1-Trichloroethane	50	49.6	99	74-129
79-00-5	1,1,2-Trichloroethane	50	55.3	111	82-120
79-01-6	Trichloroethene	50	52.6	105	80-119
75-01-4	Vinyl chloride	50	37.5	75	62-139
1330-20-7	Xylene (total)	150	161	107	82-119

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
J8897-2MS	1A29689.D	1	09/08/05	EAG	n/a	n/a	V1A1239
J8897-2MSD	1A29690.D	1	09/08/05	EAG	n/a	n/a	V1A1239
J8897-2	1A29687.D	1	09/08/05	EAG	n/a	n/a	V1A1239

The QC reported here applies to the following samples:

Method: SW846 8260B

J8775-4

CAS No.	Compound	J8897-2 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	50	49.4	99	51.9	104	5	32-166/20
71-43-2	Benzene	ND	50	41.7	83	39.4	79	6	52-136/10
75-27-4	Bromodichloromethane	ND	50	55.8	112	52.2	104	7	79-128/12
75-25-2	Bromoform	ND	50	47.9	96	46.3	93	3	62-134/11
74-83-9	Bromomethane	ND	50	41.6	83	39.9	80	4	56-141/15
78-93-3	2-Butanone (MEK)	ND	50	45.8	92	44.9	90	2	47-147/15
75-15-0	Carbon disulfide	ND	50	25.5	51* a	23.9	48* a	6	54-129/15
56-23-5	Carbon tetrachloride	ND	50	49.5	99	43.7	87	12	64-148/14
108-90-7	Chlorobenzene	ND	50	44.2	88	42.3	85	4	76-120/10
75-00-3	Chloroethane	ND	50	40.5	81	37.3	75	8	57-144/17
67-66-3	Chloroform	ND	50	50.0	100	46.3	93	8	74-127/12
74-87-3	Chloromethane	ND	50	44.5	89	41.8	84	6	53-142/20
124-48-1	Dibromochloromethane	ND	50	50.1	100	48.2	96	4	77-128/9
75-34-3	1,1-Dichloroethane	ND	50	43.2	86	41.3	83	4	71-128/13
107-06-2	1,2-Dichloroethane	ND	50	63.5	127	58.8	118	8	67-140/13
75-35-4	1,1-Dichloroethene	ND	50	34.3	69	31.7	63	8	61-135/12
156-59-2	cis-1,2-Dichloroethene	ND	50	41.2	82	40.1	80	3	70-128/10
156-60-5	trans-1,2-Dichloroethene	ND	50	37.2	74	35.5	71	5	69-126/11
78-87-5	1,2-Dichloropropane	ND	50	45.7	91	43.9	88	4	76-123/11
10061-01-5	cis-1,3-Dichloropropene	ND	50	51.6	103	48.8	98	6	74-123/11
10061-02-6	trans-1,3-Dichloropropene	ND	50	53.4	107	49.9	100	7	73-127/12
100-41-4	Ethylbenzene	ND	50	45.5	91	43.0	86	6	52-140/11
591-78-6	2-Hexanone	ND	50	52.6	105	51.7	103	2	51-144/16
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	52.9	106	50.7	101	4	54-145/20
75-09-2	Methylene chloride	ND	50	40.2	80	40.4	81	0	73-124/10
100-42-5	Styrene	ND	50	46.5	93	44.5	89	4	74-131/9
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	44.6	89	44.7	89	0	72-121/11
127-18-4	Tetrachloroethene	ND	50	42.2	84	39.2	78	7	66-129/11
108-88-3	Toluene	ND	50	45.5	91	42.5	85	7	51-142/11
71-55-6	1,1,1-Trichloroethane	ND	50	48.4	97	42.4	85	13	69-140/14
79-00-5	1,1,2-Trichloroethane	ND	50	49.7	99	48.2	96	3	81-121/10
79-01-6	Trichloroethene	ND	50	45.6	91	42.1	84	8	68-133/11
75-01-4	Vinyl chloride	ND	50	40.1	80	36.3	73	10	52-145/17
1330-20-7	Xylene (total)	ND	150	137	91	129	86	6	63-127/10

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
J8775-2MS	X43639.D	1	09/09/05	DTM	n/a	n/a	VX1684
J8775-2MSD	X43640.D	1	09/09/05	DTM	n/a	n/a	VX1684
J8775-2	X43634.D	1	09/09/05	DTM	n/a	n/a	VX1684

The QC reported here applies to the following samples:

Method: SW846 8260B

J8775-1, J8775-2, J8775-3

CAS No.	Compound	J8775-2		MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
		ug/kg	Q							
67-64-1	Acetone	ND		55.2	113	205* <sup>a</sup>	99.5	13	6-184/34	
71-43-2	Benzene	ND		55.2	44.7	81	43.8	2	54-132/15	
75-27-4	Bromodichloromethane	ND		55.2	56.2	102	52.7	6	56-139/16	
75-25-2	Bromoform	ND		55.2	64.5	117	65.9	2	52-134/20	
74-83-9	Bromomethane	ND		55.2	44.1	80	43.9	0	7-141/31	
78-93-3	2-Butanone (MEK)	ND		55.2	69.8	126	29.2	53	82* <sup>a</sup> 24-168/30	
75-15-0	Carbon disulfide	ND		55.2	35.1	64	34.6	63	1	32-143/20
56-23-5	Carbon tetrachloride	ND		55.2	53.3	97	51.1	93	4	40-149/16
108-90-7	Chlorobenzene	ND		55.2	42.9	78	43.0	78	0	50-136/19
75-00-3	Chloroethane	ND		55.2	43.1	78	42.1	76	2	12-139/29
67-66-3	Chloroform	ND		55.2	50.9	92	47.0	85	8	57-135/15
74-87-3	Chloromethane	ND		55.2	39.8	72	40.1	73	1	41-138/22
124-48-1	Dibromochloromethane	ND		55.2	60.1	109	59.4	108	1	57-139/18
75-34-3	1,1-Dichloroethane	ND		55.2	45.8	83	43.1	78	6	56-135/15
107-06-2	1,2-Dichloroethane	ND		55.2	56.5	102	51.2	93	10	58-137/15
75-35-4	1,1-Dichloroethene	ND		55.2	43.8	79	43.5	79	1	43-144/18
156-59-2	cis-1,2-Dichloroethene	ND		55.2	45.7	83	44.4	80	3	54-139/15
156-60-5	trans-1,2-Dichloroethene	ND		55.2	43.2	78	41.5	75	4	48-139/16
78-87-5	1,2-Dichloropropane	ND		55.2	46.9	85	45.0	82	4	60-131/15
10061-01-5	cis-1,3-Dichloropropene	ND		55.2	52.6	95	49.7	90	6	51-137/16
10061-02-6	trans-1,3-Dichloropropene	ND		55.2	56.3	102	52.8	96	6	50-140/17
100-41-4	Ethylbenzene	ND		55.2	41.5	75	40.7	74	2	44-142/20
591-78-6	2-Hexanone	ND		55.2	67.7	123	62.3	113	8	27-161/27
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		55.2	52.8	96	49.4	90	7	51-141/22
75-09-2	Methylene chloride	3.0	JB	55.2	44.5	75	44.6	75	0	56-137/17
100-42-5	Styrene	ND		55.2	43.4	79	43.7	79	1	43-148/22
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.2	45.3	82	45.6	83	1	51-137/24
127-18-4	Tetrachloroethene	ND		55.2	46.2	84	47.2	86	2	33-167/29
108-88-3	Toluene	ND		55.2	46.8	85	44.8	81	4	47-140/17
71-55-6	1,1,1-Trichloroethane	ND		55.2	52.6	95	47.6	86	10	48-142/16
79-00-5	1,1,2-Trichloroethane	ND		55.2	55.5	101	52.9	96	5	60-134/17
79-01-6	Trichloroethene	1.3	J	55.2	47.9	84	45.9	81	4	45-145/17
75-01-4	Vinyl chloride	ND		55.2	38.6	70	41.2	75	7	42-142/18
1330-20-7	Xylene (total)	ND		166	121	73	120	72	1	43-144/21



# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21271-MS	R46894.D	1	09/13/05	WHS	09/06/05	OP21271	ER1628
OP21271-MSD	R46895.D	1	09/13/05	WHS	09/06/05	OP21271	ER1628
J8775-2	R46792.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624
J8775-2 <sup>a</sup>	R46802.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624

The QC reported here applies to the following samples:

Method: SW846 8270C

J8775-1, J8775-2, J8775-3

CAS No.	Compound	J8775-2 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1830	1500	82	1350	74	11	45-103/18
59-50-7	4-Chloro-3-methyl phenol	ND		1830	1710	93	1640	90	4	49-113/19
120-83-2	2,4-Dichlorophenol	ND		1830	1690	92	1620	89	4	44-112/18
105-67-9	2,4-Dimethylphenol	ND		1830	1650	90	1590	87	4	39-114/19
51-28-5	2,4-Dinitrophenol	ND		3670	1440	39	632	17	78* b	1-116/38
534-52-1	4,6-Dinitro-o-cresol	ND		1830	753	41	297	16	87* b	2-123/39
95-48-7	2-Methylphenol	ND		1830	1410	77	1280	70	10	42-105/20
	3&4-Methylphenol	ND		1830	1500	82	1400	77	7	40-110/21
88-75-5	2-Nitrophenol	ND		1830	1570	86	1150	63	31* b	28-110/24
100-02-7	4-Nitrophenol	ND		1830	1500	82	1440	79	4	20-137/31
87-86-5	Pentachlorophenol	ND		1830	1600	87	1520	83	5	26-123/24
108-95-2	Phenol	ND		1830	1480	81	1340	74	10	43-106/21
95-95-4	2,4,5-Trichlorophenol	ND		1830	1600	87	1590	87	1	47-111/19
88-06-2	2,4,6-Trichlorophenol	ND		1830	1630	89	1560	86	4	50-113/19
83-32-9	Acenaphthene	80.3		1830	1510	78	1520	79	1	31-120/27
208-96-8	Acenaphthylene	110		1830	1470	74	1390	70	6	37-104/23
120-12-7	Anthracene	313		1830	1840	83	1770	80	4	41-119/28
56-55-3	Benzo(a)anthracene	1050		1830	2350	71	2230	65	5	37-125/31
50-32-8	Benzo(a)pyrene	1130		1830	2520	76	2140	55	16	37-124/29
205-99-2	Benzo(b)fluoranthene	1070		1830	3030	107	2500	79	19	25-147/33
191-24-2	Benzo(g,h,i)perylene	416		1830	1260	46	1160	41	8	4-135/38
207-08-9	Benzo(k)fluoranthene	1090		1830	2480	76	2260	64	9	25-142/31
101-55-3	4-Bromophenyl phenyl ether	ND		1830	1410	77	1320	72	7	48-115/20
85-68-7	Butyl benzyl phthalate	82.7		1830	1870	97	1970	104	5	32-148/22
91-58-7	2-Chloronaphthalene	ND		1830	1450	79	1390	76	4	45-105/19
106-47-8	4-Chloroaniline	ND		1830	832	45	912	50	9	8-94/31
86-74-8	Carbazole	56.7	J	1830	1700	90	1580	84	7	37-136/26
218-01-9	Chrysene	952		1830	2250	71	2120	64	6	36-124/29
111-91-1	bis(2-Chloroethoxy)methane	ND		1830	1340	73	1230	68	9	40-112/21
111-44-4	bis(2-Chloroethyl)ether	ND		1830	1130	62	974	53	15	37-105/25
108-60-1	bis(2-Chloroisopropyl)ether	ND		1830	1270	69	1120	61	13	36-108/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		1830	1370	75	1330	73	3	48-110/19
95-50-1	1,2-Dichlorobenzene	ND		1830	1320	72	1130	62	16	39-98/21
541-73-1	1,3-Dichlorobenzene	ND		1830	1300	71	1130	62	14	37-96/22
106-46-7	1,4-Dichlorobenzene	ND		1830	1290	70	1140	63	12	36-98/22
121-14-2	2,4-Dinitrotoluene	ND		1830	1480	81	1260	69	16	30-126/25

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21271-MS	R46894.D	1	09/13/05	WHS	09/06/05	OP21271	ER1628
OP21271-MSD	R46895.D	1	09/13/05	WHS	09/06/05	OP21271	ER1628
J8775-2	R46792.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624
J8775-2 <sup>a</sup>	R46802.D	1	09/08/05	WHS	09/06/05	OP21271	ER1624

The QC reported here applies to the following samples:

Method: SW846 8270C

J8775-1, J8775-2, J8775-3

CAS No.	Compound	J8775-2 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		1830	1490	81	1330	73	11	42-117/24
91-94-1	3,3'-Dichlorobenzidine	ND		1830	559	30	808	44	36	3-111/39
53-70-3	Dibenzo(a,h)anthracene	111		1830	1120	55	1050	52	6	14-133/30
132-64-9	Dibenzofuran	52.3	J	1830	1450	76	1430	76	1	37-125/29
84-74-2	Di-n-butyl phthalate	44.9	J	1830	1510	80	1420	75	6	47-122/21
117-84-0	Di-n-octyl phthalate	ND		1830	3550	194* <sup>b</sup>	3310	182* <sup>b</sup>	7	27-168/29
84-66-2	Diethyl phthalate	ND		1830	1410	77	1360	75	4	50-113/20
131-11-3	Dimethyl phthalate	ND		1830	1350	74	1300	71	4	51-108/20
117-81-7	bis(2-Ethylhexyl)phthalate	171		1830	1910	95	2030	102	6	29-151/25
206-44-0	Fluoranthene	2050		1830	3150	60	2880	46	9	28-133/35
86-73-7	Fluorene	117		1830	1630	83	1630	83	0	39-119/32
118-74-1	Hexachlorobenzene	ND		1830	1560	85	1480	81	5	49-111/19
87-68-3	Hexachlorobutadiene	ND		1830	1510	82	1400	77	8	37-114/21
77-47-4	Hexachlorocyclopentadiene	ND		3670	771	21	474	13	48* <sup>b</sup>	1-95/42
67-72-1	Hexachloroethane	ND		1830	1230	67	879	48	33* <sup>b</sup>	19-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	519		1830	1760	68	1650	62	6	13-130/35
78-59-1	Isophorone	ND		1830	1380	75	1310	72	5	36-103/20
91-57-6	2-Methylnaphthalene	34.5	J	1830	1420	76	1350	72	5	30-120/26
88-74-4	2-Nitroaniline	ND		1830	1540	84	1470	81	5	39-122/23
99-09-2	3-Nitroaniline	ND		1830	1090	59	1160	64	6	27-107/30
100-01-6	4-Nitroaniline	ND		1830	1310	71	1260	69	4	20-123/35
91-20-3	Naphthalene	49.9	J	1830	1450	76	1350	71	7	29-113/28
98-95-3	Nitrobenzene	ND		1830	1410	77	1280	70	10	31-112/21
621-64-7	N-Nitroso-di-n-propylamine	ND		1830	1280	70	1110	61	14	36-114/22
86-30-6	N-Nitrosodiphenylamine	ND		1830	1370	75	1290	71	6	35-136/22
85-01-8	Phenanthrene	1030		1830	2270	68	2300	70	1	29-129/39
129-00-0	Pyrene	2280		1830	3850	86	4070	98	6	20-148/40
120-82-1	1,2,4-Trichlorobenzene	ND		1830	1430	78	1310	72	9	36-104/21

CAS No.	Surrogate Recoveries	MS	MSD	J8775-2	J8775-2	Limits
367-12-4	2-Fluorophenol	81%	73%	74%	77%	34-111%
4165-62-2	Phenol-d5	81%	72%	76%	82%	34-111%
118-79-6	2,4,6-Tribromophenol	98%	90%	84%	87%	33-122%
4165-60-0	Nitrobenzene-d5	83%	75%	76%	77%	29-114%

# Blank Spike Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21274-BS1	OA25143.D	1	09/08/05	MCR	09/06/05	OP21274	GOA800

The QC reported here applies to the following samples:

Method: SW846 8081A

J8775-1, J8775-2, J8775-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	16.7	17.2	103	68-157
319-84-6	alpha-BHC	16.7	16.4	98	71-161
319-85-7	beta-BHC	16.7	16.2	97	71-150
319-86-8	delta-BHC	16.7	15.0	90	56-166
58-89-9	gamma-BHC (Lindane)	16.7	16.4	98	71-158
5103-71-9	alpha-Chlordane	16.7	14.9	89	71-153
5103-74-2	gamma-Chlordane	16.7	17.2	103	74-153
60-57-1	Dieldrin	16.7	17.6	106	74-160
72-54-8	4,4'-DDD	16.7	17.2	103	74-160
72-55-9	4,4'-DDE	16.7	17.1	103	73-160
50-29-3	4,4'-DDT	16.7	16.9	101	68-164
72-20-8	Endrin	16.7	16.6	100	69-158
1031-07-8	Endosulfan sulfate	16.7	16.2	97	67-158
7421-93-4	Endrin aldehyde	16.7	13.8	83	45-138
959-98-8	Endosulfan-I	16.7	16.5	99	72-153
33213-65-9	Endosulfan-II	16.7	16.9	101	72-155
76-44-8	Heptachlor	16.7	16.8	101	72-157
1024-57-3	Heptachlor epoxide	16.7	16.9	101	71-155
72-43-5	Methoxychlor	16.7	16.6	100	70-162
53494-70-5	Endrin ketone	16.7	16.5	99	76-160

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	92%	30-140%
877-09-8	Tetrachloro-m-xylene	91%	30-140%
2051-24-3	Decachlorobiphenyl	100%	23-155%
2051-24-3	Decachlorobiphenyl	101%	23-155%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J8775  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21274-MS	OA25144.D	1	09/08/05	MCR	09/06/05	OP21274	GOA800
OP21274-MSD	OA25145.D	1	09/09/05	MCR	09/06/05	OP21274	GOA800
J8775-2	OA25147.D	1	09/09/05	MCR	09/06/05	OP21274	GOA800

The QC reported here applies to the following samples:

Method: SW846 8081A

J8775-1, J8775-2, J8775-3

CAS No.	Compound	J8775-2 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	40.1	18.2	89.0	269* a	30.1	0* a	99* a	26-166/32
319-84-6	alpha-BHC	ND	18.2	24.5	135	20.0	111	20	24-172/36
319-85-7	beta-BHC	ND	18.2	41.1	226* b	34.2	190* b	18	16-174/41
319-86-8	delta-BHC	ND	18.2	19.9	110	16.3	90	20	10-175/42
58-89-9	gamma-BHC (Lindane)	ND	18.2	20.0	110	17.7	98	12	26-168/38
5103-71-9	alpha-Chlordane	5.2	18.2	23.6	112	20.7	97	13	21-177/34
5103-74-2	gamma-Chlordane	4.7	18.2	21.7	94	21.5	93	1	24-173/38
60-57-1	Dieldrin	10.8	18.2	106	524* b	28.9	100	114* b	20-181/41
72-54-8	4,4'-DDD	2.7	18.2	21.0	101	29.7	150	34	22-186/36
72-55-9	4,4'-DDE	ND	18.2	18.2	100	24.2	134	28	19-192/42
50-29-3	4,4'-DDT	12.2	18.2	33.3	120	42.8	173	25	18-200/44
72-20-8	Endrin	ND	18.2	29.9	165	28.0	155	7	26-175/36
1031-07-8	Endosulfan sulfate	ND	18.2	12.2	67	31.3	174	88* b	9-175/46
7421-93-4	Endrin aldehyde	ND	18.2	10.9	60	9.9	55	10	10-141/46
959-98-8	Endosulfan-I	ND	18.2	19.4	107	17.4	96	11	24-167/38
33213-65-9	Endosulfan-II	ND	18.2	20.5	113	17.4	96	16	13-175/40
76-44-8	Heptachlor	ND	18.2	24.0	132	20.1	111	18	32-169/36
1024-57-3	Heptachlor epoxide	ND	18.2	20.9	115	19.1	105	9	25-169/34
72-43-5	Methoxychlor	ND	18.2	35.5	196* b	31.2	173	13	18-182/45
53494-70-5	Endrin ketone	ND	18.2	26.7	147	17.1	95	44* b	19-181/42
8001-35-2	Toxaphene	ND		ND		ND		nc	50-150/10

CAS No.	Surrogate Recoveries	MS	MSD	J8775-2	Limits
877-09-8	Tetrachloro-m-xylene	99%	99%	94%	30-140%
877-09-8	Tetrachloro-m-xylene	72%	94%	98%	30-140%
2051-24-3	Decachlorobiphenyl	95%	83%	96%	23-155%
2051-24-3	Decachlorobiphenyl	82%	93%	74%	23-155%

(a) Outside control limits due to high level in sample relative to spike amount.

(b) Outside control limits due to matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J8775  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31426  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 09/07/05

Metal	J8775-2 Original MS	Spikelot MPIRS1	% Rec	QC Limits	
Aluminum	6760	12100	5840	91.4	75-125
Antimony	1.3	51.1	108	46.0N(a)	75-125
Arsenic	5.6	376	433	85.6	75-125
Barium	53.9	436	433	88.3	75-125
Beryllium	0.31	9.6	11	85.9	75-125
Cadmium	0.057	9.4	11	86.3	75-125
Calcium	6750	7310	1350	41.4 (b)	75-125
Chromium	17.3	53.8	43.3	84.3	75-125
Cobalt	4.9	98.9	108	86.9	75-125
Copper	62.2	163	54.1	186.3N(a)	75-125
Iron	13800	16600	5630	49.8N(a)	75-125
Lead	93.9	191	108	89.7	75-125
Magnesium	2910	3520	1350	45.1N(a)	75-125
Manganese	215	293	108	72.1N(a)	75-125
Nickel	77.8	148	108	64.9N(a)	75-125
Potassium	829	1980	1350	85.1	75-125
Selenium	1.1	362	433	83.4	75-125
Silver	0.0	9.5	11	87.8	75-125
Sodium	767	1860	1350	80.8	75-125
Thallium	0.0	377	433	87.1	75-125
Vanadium	21.6	116	108	87.2	75-125
Zinc	64.6	158	108	86.3	75-125

Associated samples MP31426: J8775-1, J8775-2, J8775-3

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J8775  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31426  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 09/07/05

Metal	J8775-2 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	6760	13900	6020	118.6	13.8	20
Antimony	1.3	57.2	111	50.1N(a)	11.3	20
Arsenic	5.6	383	446	84.6	1.8	20
Barium	53.9	457	446	90.4	4.7	20
Beryllium	0.31	9.8	11	85.1	2.1	20
Cadmium	0.057	9.5	11	84.7	1.1	20
Calcium	6750	8590	1390	132.0(b)	16.1	20
Chromium	17.3	72.7	44.6	124.2	29.9 (c)	20
Cobalt	4.9	100	111	85.3	1.1	20
Copper	62.2	131	55.7	123.4	21.8 (c)	20
Iron	13800	24400	5800	182.8N(a)	38.0 (c)	20
Lead	93.9	170	111	68.3N(a)	11.6	20
Magnesium	2910	4370	1390	104.8	21.5 (c)	20
Manganese	215	289	111	66.4N(a)	1.4	20
Nickel	77.8	145	111	60.3N(a)	2.0	20
Potassium	829	2000	1390	84.0	1.0	20
Selenium	1.1	372	446	83.2	2.7	20
Silver	0.0	9.8	11	87.9	3.1	20
Sodium	767	2040	1390	91.3	9.2	20
Thallium	0.0	387	446	86.8	2.6	20
Vanadium	21.6	129	111	96.3	10.6	20
Zinc	64.6	161	111	86.5	1.9	20

Associated samples MP31426: J8775-1, J8775-2, J8775-3

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(c) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: J8775  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31426  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 09/07/05

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	5020	5400	93.0	80-120
Antimony	94.9	100	94.9	80-120
Arsenic	355	400	88.8	80-120
Barium	368	400	92.0	80-120
Beryllium	9.0	10	90.0	80-120
Cadmium	9.1	10	91.0	80-120
Calcium	1190	1250	95.2	80-120
Chromium	38.2	40	95.5	80-120
Cobalt	91.6	100	91.6	80-120
Copper	50.8	50	101.6	80-120
Iron	4820	5200	92.7	80-120
Lead	91.7	100	91.7	80-120
Magnesium	1130	1250	90.4	80-120
Manganese	92.8	100	92.8	80-120
Nickel	92.4	100	92.4	80-120
Potassium	1110	1250	88.8	80-120
Selenium	343	400	85.8	80-120
Silver	9.0	10	90.0	80-120
Sodium	1170	1250	93.6	80-120
Thallium	366	400	91.5	80-120
Vanadium	93.1	100	93.1	80-120
Zinc	94.3	100	94.3	80-120

Associated samples MP31426: J8775-1, J8775-2, J8775-3

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: J8775  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31426  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/07/05

Metal	J8775-2 Original	SDL 1:5	RPD	QC Limits
Aluminum	60600	63100	4.1	0-10
Antimony	11.3	0.00	100.0 (a)	0-10
Arsenic	50.5	51.5	1.9	0-10
Barium	484	503	4.0	0-10
Beryllium	2.76	2.83	2.2	0-10
Cadmium	0.513	0.00	100.0 (a)	0-10
Calcium	60500	62100	2.6	0-10
Chromium	155	164	5.4	0-10
Cobalt	43.6	46.2	6.0	0-10
Copper	558	579	3.8	0-10
Iron	123000	127000	2.5	0-10
Lead	843	880	4.4	0-10
Magnesium	26100	27100	3.6	0-10
Manganese	1930	2010	4.1	0-10
Nickel	697	717	2.9	0-10
Potassium	7440	5940	20.1* (b)	0-10
Selenium	9.47	0.00	100.0 (a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium	6880	8550	24.3 (a)	0-10
Thallium	0.00	0.00	NC	0-10
Vanadium	194	202	4.0	0-10
Zinc	579	617	6.6	0-10

*Serial dilution values < 50 x IDL  
 MT 3/17/06*

Associated samples MP31426: J8775-1, J8775-2, J8775-3

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference. Results confirmed with analysis of second dilution.



**DATA USABILITY REPORT**  
**ACCUTEST CASE NO. J10018**

**DATA USABILITY SUMMARY REPORT**

**FOR**

**PEERLESS PHOTO PRODUCTS  
SHORHAM, NEW YORK  
SEPTEMBER 2005**

**REPORTED MARCH 2006**

**ATC PROJECT NO. 68.28817.0001**

**PREPARED BY**

*Mark Traxler*

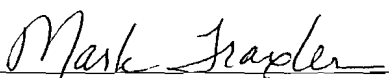
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**MARK TRAXLER  
SENIOR QUALITY ASSURANCE SCIENTIST**



920 Germantown Pike, Suite 200 • Plymouth Meeting, PA 19462

The following Data Usability Summary Report (DUSR) was conducted by the ATC Associates Inc. Environmental Chemistry and Quality Assurance Department. This report has concluded that the following analytical data, with the use of the stated qualifications, generated in the sampling event of September 15, 2005 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

  
\_\_\_\_\_  
Mark Traxler  
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY  
ORGANICS AND INORGANICS  
PEERLESS PHOTO PRODUCTS SITE  
SEPTEMBER 2005**

## **1.0 INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared in accordance with the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. This DUSR has been developed from a full NYSDEC Analytical Services Protocol (ASP) Category B deliverables package.

This DUSR addresses the organics and inorganics results from the September 15, 2005 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case J10018 included a total of two (2) soil samples, plus one (1) matrix spike and one (1) matrix spike duplicate sample for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semivolatile Organic Compounds (SVOCs), TCL Organochlorine Pesticides, TCL Polychlorinated Biphenyls (PCBs), Target Analyte List (TAL) metals and cyanide analyses.

The findings offered in this DUSR are based upon a general review of sample data, holding times, initial and continuing calibration verification results, GC/MS tuning, surrogate recoveries, contract required detection limit (CRDL) standard results, blank contamination results, inductively coupled plasma (ICP) interference check sample results, spike sample results, laboratory and field duplicate results, and laboratory control sample results. Samples in this report were analyzed by Accutest Laboratories, Dayton, New Jersey following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 8260B, 8270C, 8081A, 8082, 6010B, 7471A and 9012. The quality assurance review of the data described was prepared according to EPA's *National Functional Guidelines for Inorganic Data Review, Final*, (EPA 540-R-04-004) dated October 2004, where applicable to SW-846 Methods. Method protocol criteria were also considered as prescribed by SW-846.

The analytical data deliverables for Case J10018 consist of NYSDCE ASP Category B reporting forms and raw data for each analysis, which includes instrument printouts, notebook pages, and chain-of-custody (COC) documents.

The data summary tables list the organics and inorganics that were analyzed. Appendix A provides the sample results as reported by the laboratory, along with a copy of the associated COC documentation. The support documentation in Appendix B summarizes

the specific issues raised in this review. Analytical problems that were encountered were outlined in the Findings/Qualifiers section.

The following components of the data package were reviewed for completeness:

- Sample chain-of-custody form;
- Case narrative;
- Summary forms and supporting documents;
- Calibration data;
- Instrument and method performance data;
- Data report forms, preparation logs and run logs; and
- Raw analytical data.

The following items of the data package were reviewed for compliance:

- The data package is complete, as defined above;
- The data has been produced and reported in a manner consistent with the requirements of the Quality Assurance Project Plan (QAPP);
- The QAPP-defined quality assurance (QA) and quality control (QC) criteria have been met;
- Instrument calibration requirements have been met for the time frame during which the analyses were completed;
- Initial and Continuing calibration data are presented and documented;
- Data reporting forms are complete; and
- Problems encountered during the analytical process have been reported in the case narrative.

## **2.0 LABORATORY DATA PACKAGE**

The data package that was received from Accutest was paginated, complete and overall was of good quality. Comments on specific QA/QC issues and other requirements are discussed in detail in this report.

The samples were collected, properly preserved, shipped under a chain of custody record on September 15, 2005, and received at Accutest on the next day. All samples were received intact and in good condition at Accutest.

### **3.0 FINDINGS/QUALIFIERS**

#### **3.1 TCL Volatile Organic Compounds**

The following TCL VOCs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip/field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits

It is recommended that Case J10018 VOCs results be used with no qualifiers.

#### **3.2 TCL Semivolatile Organic Compounds**

The following TCL SVOCs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits

It is recommended that Case J10018 SVOCs results be used with the following qualifiers:

1. Fluoranthene was detected at an estimated concentration, "J" (below the reporting limit [RL]). This value was not adjusted.

### **3.3 TCL Organochlorine Pesticides**

The following TCL organochlorine pesticides analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- Sample result verification and identification
- Initial calibrations
- Performance evaluation mixtures
- Field duplicate precision
- Quantitation limits

It is recommended that Case J10018 TCL organochlorine pesticides results be used with no qualifiers.

### **3.4 TCL Polychlorinated Biphenyls**

The following TCL PCBs analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and field blank contamination
- Sample result verification and identification
- Initial calibrations
- Field duplicate precision
- Quantitation limits

It is recommended that Case J10018 TCL PCBs results be used with no qualifiers.

### **3.5 TAL Metals and Cyanide**

The following TAL Metals and cyanide analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Initial and continuing calibrations
- Contract Required Detection Limit (CRDL) check sample
- Laboratory preparation blanks and field blanks
- Inductively coupled plasma (ICP) interference check sample
- Matrix spike recoveries
- Laboratory duplicate precision
- Field duplicate precision
- Laboratory control sample recoveries
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits

It is recommended that Case J10018 TAL Metals and cyanide results be used with the following qualifiers:

1. Due to low MS and MSD recoveries, the detection limits for antimony are considered as estimated. There were no reported antimony results, so the data was qualified as undetected at an estimated detection limit "UJ".

### **4.0 SUMMARY**

The organics and inorganics results are acceptable as qualified. Holding times, initial and continuing calibration verification results, GC/MS tuning performance, surrogate recoveries, CRDL check sample results, continuing calibration blank results, laboratory preparation blank results, blank sample results, ICP interference check sample results, matrix spike recoveries, laboratory duplicates, field duplicates, laboratory control sample results, and ICP serial dilution results were within acceptance limits. Sample results were properly verified and identified, along with the appropriate quantitation limits.

This review has identified low antimony spike recoveries as an area of concern. The data has been qualified accordingly on the data summary table. For specifics relating to this review, see the attached documentation in Appendix B.



## QUALIFIER CODES – TCL VOCs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **9/15/2005**

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory **Accutest**  
 Case/Order # **J10018**  
 Fraction/Method **CLP Volatiles**

Sample Description or Location	CF-003	CF-003	CF-003	FB-004				
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2				
Matrix	Soil	Soil	Soil	Soil				
% Solids	94.2	94.2	94.2	94.2				
Dilution Factor	1	1	1	1				
Sampling Date	9/15/2005	9/15/2005	9/15/2005	9/15/2005				
CRQL	Comments							
5	chloromethane	U	72%	69%	U			
5	bromomethane	U	70%	68%	U			
5	vinyl chloride	U	77%	72%	U			
5	chloroethane	U	76%	73%	U			
5	methylene chloride	U	83%	82%	U			
10	acetone	U	85%	88%	U			
5	carbon disulfide	U	56%	53%	U			
5	1,1-dichloroethene	U	71%	69%	U			
5	1,1-dichloroethane	U	81%	79%	U			
5	trans-1,2-dichloroethene	U	73%	73%	U			
5	cis-1,2-dichloroethene	U	80%	79%	U			
5	chloroform	U	84%	82%	U			
5	1,2-dichloroethane	U	82%	82%	U			
10	2-butanone	U	63%	66%	U			
5	1,1,1-trichloroethane	U	72%	71%	U			
5	carbon tetrachloride	U	66%	65%	U			
5	bromodichloromethane	U	80%	81%	U			
5	1,2-dichloropropane	U	82%	81%	U			
5	cis-1,3-dichloropropene	U	66%	68%	U			
5	trichloroethene	U	74%	74%	U			
5	dibromochloromethane	U	79%	82%	U			
5	1,1,2-trichloroethane	U	78%	81%	U			
1	benzene	U	77%	76%	U			
5	trans-1,3-dichloropropene	U	64%	67%	U			
5	bromoform	U	72%	76%	U			

DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name	Peerless Photo Products	Laboratory	Accutest
Project Number	68.28817.0001	Case/Order #	J10018
Sampling Date(s)	9/15/2005	Fraction/Method	CLP Volatiles

Sample Description or Location	CF-003	CF-003	CF-003	FB-004					
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2					
Matrix	Soil	Soil	Soil	Soil					
% Solids	94.2	94.2	94.2	94.2					
5 4-methyl-2-pentanone	U	59%	63%	U					
5 2-hexanone	U	49%	55%	U					
5 tetrachloroethene	U	102%	112%	U					
5 1,1,2,2-tetrachloroethane	U	71%	76%	U					
1 toluene	U	74%	75%	U					
5 chlorobenzene	U	74%	77%	U					
1 ethylbenzene	U	69%	71%	U					
5 styrene	U	65%	69%	U					
2 xylenes (total)	U	108%	113%	U					
Surrogate Recovery, %									
dibromofluoromethane	104	104	104	102					
1,2-dichloroethane-d4	96	97	97	95					
toluene-d8	104	105	105	105					
4-bromofluorobenzene	106	105	105	103					

## QUALIFIER CODES – TCL SVOCs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/15/2005

Laboratory Accutest  
 Case/Order # J10018  
 Fraction/Method CLP Semivolatiles

Soil samples in mg/kg

Aqueous samples in ug/L

Sample Description or Location	CF-003	CF-003	CF-003	FB-004														
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2														
Matrix	Soil	Soil	Soil	Soil														
Percent Solids	94.2	94.2	94.2	94.2														
Dilution Factor	1	1	1	1														
Sampling Date	9/15/2005	9/15/2005	9/15/2005	9/15/2005														
Comments																		
0 70 bis(2-chloroisopropyl)ether		U	52%	52%														
0 70 1,2-dichlorobenzene		U	57%	58%														
0 70 1,3-dichlorobenzene		U	56%	57%														
0 70 1,4-dichlorobenzene		U	55%	57%														
10 180 phenol		U	62%	63%														
10 70 bis(2-chloroethyl)ether		U	46%	47%														
10 180 2-chlorophenol		U	65%	64%														
10 180 2-methylphenol		U	61%	58%														
10 180 4-methylphenol		U	61%	59%														
10 70 N-nitroso-di-n-propylamine		U	55%	54%														
10 180 hexachloroethane		U	53%	54%														
10 70 nitrobenzene		U	58%	58%														
10 70 isophorone		U	60%	59%														
10 180 2-nitrophenol		U	60%	60%														
10 180 2,4-dimethylphenol		U	76%	74%														
10 70 bis(2-chloroethoxy)methane		U	54%	54%														
10 180 2,4-dichlorophenol		U	76%	72%														
10 70 naphthalene		U	61%	61%														
10 180 4-chloroaniline		U	51%	52%														

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name	Peerless Photo Products	Laboratory	Accutest
Project Number	68.28817.0001	Case/Order #	J10018
Sampling Date(s)	9/15/2005	Fraction/Method	CLP Semivolatiles

Soil samples in mg/kg  
Aqueous samples in ug/L

Sample Description or Location	CF-003	CF-003	CF-003	FB-004														
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2														
70 hexachlorobutadiene	U	66%	67%	U														
180 4-chloro-3-methylphenol	U	83%	79%	U														
70 2-methylnaphthalene	U	61%	59%	U														
700 hexachlorocyclopentadiene	U	24%	22%	U														
180 2,4,6-trichlorophenol	U	83%	78%	U														
180 2,4,5-trichlorophenol	U	79%	72%	U														
70 2-chloronaphthalene	U	71%	67%	U														
180 2-nitroaniline	U	74%	71%	U														
70 dimethylphthalate	U	68%	64%	U														
70 acenaphthylene	U	67%	64%	U														
70 2,6-dinitrotoluene	U	75%	70%	U														
180 3-nitroaniline	U	65%	63%	U														
70 acenaphthene	U	73%	71%	U														
700 2,4-dinitrophenol	U	22%	16%	U														
700 4-nitrophenol	U	69%	55%	U														
70 dibenzofuran	U	71%	68%	U														
70 2,4-dinitrotoluene	U	73%	70%	U														
70 diethylphthalate	U	73%	69%	U														
70 4-chlorophenyl-phenylether	U	66%	66%	U														
70 fluorene	U	81%	77%	U														
180 4-nitroaniline	U	57%	56%	U														

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/15/2005

Soil samples in mg/kg  
 Aqueous samples in ug/L  
 Laboratory Accutest  
 Case/Order # J10018  
 Fraction/Method CLP Semivolatiles

Sample Description or Location	CF-003	CF-003	CF-003	FB-004														
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2														
700 4,6-dinitro-2-methylphenol	U	28%	21%	U														
180 n-nitrosodiphenylamine	U	71%	67%	U														
70 4-bromophenyl-phenylether	U	77%	71%	U														
70 hexachlorobenzene	U	88%	86%	U														
700 pentachlorophenol	U	69%	67%	U														
70 phenanthrene	U	82%	79%	U														
70 anthracene	U	82%	78%	U														
70 carbazole	U	78%	75%	U														
70 di-n-butylphthalate	U	75%	72%	U														
70 fluoranthene	19.5 J U	79%	77%	U														
70 pyrene	U	82%	81%	U														
70 butylbenzylphthalate	U	76%	73%	U														
180 3,3'-dichlorobenzidine	U	52%	48%	U														
70 benzo(a)anthracene	U	79%	77%	U														
70 chrysene	U	79%	76%	U														
70 bis(2-ethylhexyl)phthalate	U	81%	80%	U														
70 di-n-octylphthalate	U	112%	118%	U														
70 benzo(b)fluoranthene	U	86%	83%	U														
70 benzo(k)fluoranthene	U	98%	98%	U														
70 benzo(a)pyrene	U	81%	78%	U														
70 indeno(1,2,3-cd)pyrene	U	81%	72%	U														
70 dibenz(a,h)anthracene	U	64%	57%	U														
70 benzo(g,h,i)perylene	U	54%	47%	U														

QA Scientist *M. Staples* Date *3/21/06*

## QUALIFIER CODES – TCL PESTICIDES

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.



DATA SUMMARY - TCL PESTICIDES

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 9/15/2005

Soil samples in mg/kg  
 Aqueous samples in ug/L

Laboratory Acculext  
 Case/Order # J10018  
 Fraction/Method CLP Pesticides

Sample Description or Location	CF-003	CF-003	CF-003	FB-004														
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2														
Matrix	Soil	Soil	Soil	Soil														
Percent Solids	94.2	94.2	94.2	94.2														
Dilution Factor	1	1	1	1														
Sampling Date	9/15/2005	9/15/2005	9/15/2005	9/15/2005														
RL	Comments																	
1.3	aldrin	U	118%	115%	4.3													
1.3	alpha-BHC	U	101%	104%		U												
1.3	beta-BHC	U	110%	108%		U												
1.3	delta-BHC	U	98%	99%		U												
1.3	gamma-BHC (Lindane)	U	104%	105%		U												
1.3	alpha-chlordane	1.7	105%	110%	3.4													
1.3	gamma-chlordane	1.6	104%	101%	3.1													
1.3	dieldrin	2.8	88%	85%	6.8													
1.3	4,4'-DDD	U	118%	112%		U												
1.3	4,4'-DDE	2.8	90%	85%	2.5													
1.3	4,4'-DDT	2.7	117%	108%	2.0													
1.3	endrin	U	110%	103%		U												
1.3	endosulfan sulfate	U	104%	100%		U												
1.3	endrin aldehyde	U	95%	93%		U												
1.3	endosulfan-I	U	104%	101%		U												
1.3	endosulfan-II	U	108%	103%		U												
1.3	heptachlor	U	102%	104%		U												
1.3	heptachlor epoxide	U	109%	105%		U												
3.3	methoxychlor	U	126%	121%		U												
3.3	endrin ketone	U	105%	99%		U												
17	toxaphene	U	-	-		U												
	Surrogate Recovery, %																	
	tetrachloro-m-xylene	99	91	93	95													
	tetrachloro-m-xylene	84	80	83	82													
	decachlorobiphenyl	93	102	92	90													
	decachlorobiphenyl	87	95	86	86													

### QUALIFIER CODES – TCL PCBs

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - TCL POLYCHLORINATED BIPHENYLS

Site Name	Peerless Photo Products	Laboratory	Accutest
Project Number	68.28817.0001	Case/Order #	J10018
Sampling Date(s)	9/15/2005	Fraction/Method	CLP PCBs
		Soil samples in mg/kg	
		Aqueous samples in ug/L	

Sample Description or Location	CF-003	CF-003	CF-003	FB-004				
Sample Number	J10018-1	J10018-1MS	J10018-1MSD	J10018-2				
Matrix	Soil	Soil	Soil	Soil				
Percent Solids	94.2	94.2	94.2	94.2				
Dilution Factor	1	1	1	1				
Sampling Date	9/15/2005	9/15/2005	9/15/2005	9/15/2005				
RL Comments								
33 Aroclor 1016		U 102%	102%		U			
33 Aroclor 1221		U			U			
33 Aroclor 1232		U			U			
33 Aroclor 1242		U			U			
33 Aroclor 1248		U			U			
33 Aroclor 1254		U			U			
33 Aroclor 1260		U 100%	100%		U			
Surrogate Recovery, %								
tetrachloro-m-xylene	95	93	93	94				
tetrachloro-m-xylene	98	95	95	97				
decachlorobiphenyl	96	93	93	95				
decachlorobiphenyl	97	94	93	96				

## QUALIFIER CODES - METALS

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ - The result is an estimated quantity, but the result may be biased high.
- J- - The result is an estimated quantity, but the result may be biased low.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - INORGANIC ANALYTES

Site Name **Peerless Photo Products**  
 Project Number **68.28817.0001**  
 Sampling Date(s) **9/15/2005**

Soil in mg/kg

Laboratory **Accutest**  
 Case/Order # **J10018**  
 Fraction/Method **TAL Metals - SW-846 3010A/6010B**

Sample Location or Description		CF-003	CF-003	CF-003	FB-004						
Sample Number		J10018-1	J10018-1MS	J10018-1MS	J10018-2						
Sampling Date		9/15/2005	9/15/2005	9/15/2005	9/15/2005						
IDL/CRDL		P	Hg								
20	Aluminum	X	2820	103.5%	92.3%	2730					
1	Antimony	X		UJ 60.2%	J- 59.0%	J- UJ					
1	Arsenic	X	2.0	85.1%	85.4%	1.9					
20	Barium	X		U 88.4%	88.1%	U					
0.5	Beryllium	X		U 89.2%	89.2%	U					
0.5	Cadmium	X		U 87.2%	88.2%	U					
500	Calcium	X	925	111.0%	93.2%	1800					
1	Chromium	X	5.4	90.3%	90.0%	4.8					
5	Cobalt	X		U 87.5%	87.3%	U					
2.5	Copper	X	5.4	90.9%	93.0%	5.5					
10	Iron	X	5080	87.8%	80.7%	4470					
1	Lead	X	4.4	88.1%	88.1%	4.4					
500	Magnesium	X	617	100.5%	86.3%	1100					
1.5	Manganese	X	91.6	85.8%	76.5%	87.1					
0.03	Mercury	X		U 101.4%	104.5%	U					
4	Nickel	X		U 87.7%	88.1%	U					
500	Potassium	X		U 97.6%	93.1%	U					
1	Selenium	X		U 85.8%	87.9%	U					
1	Silver	X		U 88.2%	89.1%	U					
500	Sodium	X		U 87.9%	88.6%	U					
1	Thallium	X		U 86.8%	87.2%	U					
5	Vanadium	X	7.2	86.1%	85.8%	7.3					
2	Zinc	X	10.2	88.0%	86.1%	13.0					
1	Cyanide			U -	-	U					

**APPENDIX A**



## SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: ATC Associates, Inc.

Job No J10018

Site: AGFA-Peerless, Shorham, NY

Report Date 9/30/2005 1:16:02 PM

2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 09/15/2005 and were received at Accutest on 09/16/2005 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of J10018. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VG4231

- All samples were analyzed within the recommended method holding time.
- Sample(s) J10018-1MS, J10018-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

### Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP21388

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J10018-1MS, J10018-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

### Extractables by GC By Method SW846 8081A

Matrix: SO

Batch ID: OP21389

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J10018-1MS, J10018-1MSD, OP21389-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- J10018-1 for 4,4'-DDE: Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.
- J10018-1 for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.
- J10018-2 for 4,4'-DDE: Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

### Extractables by GC By Method SW846 8082

Matrix: SO

Batch ID: OP21390

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J10018-1MS, J10018-1MSD, OP21390-MSMSD were used as the QC samples indicated.

## Metals By Method SW846 6010B

Matrix: SO	Batch ID: MP31582
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J10018-1MS, J10018-1MSD, J10018-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Nickel, Sodium are outside control limits for sample MP31582-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Calcium, Chromium, Magnesium, Potassium, Zinc are outside control limits indicating possible matrix interference.

## Metals By Method SW846 7471A

Matrix: SO	Batch ID: MP31572
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J10018-1MS, J10018-1MSD were used as the QC samples for metals.

## Wet Chemistry By Method EPA 160.3 M

Matrix: SO	Batch ID: GN82917
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- There is no applicable data to evaluate for EPA 160.3 M.

## Wet Chemistry By Method SW846 9012 M

Matrix: SO	Batch ID: GP29971
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- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J10018-1DUP, J10018-1MS were used as the QC samples for Cyanide.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J10018).



**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

**Project Number:**        **J10018**

**Client Name:**        **ATC Associates, Inc.**  
**AGFA-Peerless, Shorham, NY**

Customer Sample Code	Laboratory Sample ID	Analytical Requirements						
		VOA	BNA	GC	GC	GC	Metals	Other
		GC/MS Method 8260B	GC/MS Method 8270C	GC Method 8081A	GC Method 8082	GC Method 8151		
CF-003	J10018-1	X	X	X	X		X	X
FB-004	J10018-2	X	X	X	X		X	X

## Report of Analysis

<b>Client Sample ID:</b>	CF-003	<b>Date Sampled:</b>	09/15/05
<b>Lab Sample ID:</b>	J10018-1	<b>Date Received:</b>	09/16/05
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	94.7
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G83291.D	1	09/20/05	SJM	n/a	n/a	VG4231
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.9	ug/kg	
71-43-2	Benzene	ND	1.0	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.18	ug/kg	
75-25-2	Bromoform	ND	5.2	0.49	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.77	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.26	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.2	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.80	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.32	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	0.28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.39	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.61	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.27	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.52	ug/kg	
591-78-6	2-Hexanone	ND	5.2	0.93	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	1.2	ug/kg	
75-09-2	Methylene chloride	ND	5.2	0.22	ug/kg	
100-42-5	Styrene	ND	5.2	0.67	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.50	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.81	ug/kg	
108-88-3	Toluene	ND	1.0	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.71	ug/kg	
79-01-6	Trichloroethene	ND	5.2	0.46	ug/kg	

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ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-003 <b>Lab Sample ID:</b> J10018-1 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8260B <b>Project:</b> AGFA-Peerless, Shorham, NY	<b>Date Sampled:</b> 09/15/05 <b>Date Received:</b> 09/16/05 <b>Percent Solids:</b> 94.7
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**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.2	0.26	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-122%
17060-07-0	1,2-Dichloroethane-D4	96%		62-131%
2037-26-5	Toluene-D8	104%		76-119%
460-00-4	4-Bromofluorobenzene	106%		67-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.89	360	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	CF-003	<b>Date Sampled:</b>	09/15/05
<b>Lab Sample ID:</b>	J10018-1	<b>Date Received:</b>	09/16/05
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	94.7
<b>Method:</b>	SW846 8270C SW846 3550B		
<b>Project:</b>	AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R47015.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	14	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	40	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	34	ug/kg	
88-75-5	2-Nitrophenol	ND	170	41	ug/kg	
100-02-7	4-Nitrophenol	ND	700	56	ug/kg	
87-86-5	Pentachlorophenol	ND	700	44	ug/kg	
108-95-2	Phenol	ND	170	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	34	ug/kg	
83-32-9	Acenaphthene	ND	70	3.7	ug/kg	
208-96-8	Acenaphthylene	ND	70	17	ug/kg	
120-12-7	Anthracene	ND	70	5.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	70	3.7	ug/kg	
50-32-8	Benzo(a)pyrene	ND	70	6.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	70	5.0	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	70	6.1	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	70	5.6	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	4.8	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	7.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	6.6	ug/kg	
106-47-8	4-Chloroaniline	ND	170	9.7	ug/kg	
86-74-8	Carbazole	ND	70	4.9	ug/kg	
218-01-9	Chrysene	ND	70	4.8	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	5.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	6.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	5.5	ug/kg	

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ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-003	<b>Date Sampled:</b> 09/15/05
<b>Lab Sample ID:</b> J10018-1	<b>Date Received:</b> 09/16/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 94.7
<b>Method:</b> SW846 8270C SW846 3550B	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

**ABN TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	5.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	5.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	6.3	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	6.1	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	70	10	ug/kg	
132-64-9	Dibenzofuran	ND	70	4.4	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	5.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	6.3	ug/kg	
84-66-2	Diethyl phthalate	ND	70	5.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	3.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	5.6	ug/kg	
206-44-0	Fluoranthene	19.5	70	3.9	ug/kg	J
86-73-7	Fluorene	ND	70	5.9	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	70	5.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	7.4	ug/kg	
67-72-1	Hexachloroethane	ND	170	6.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	70	9.6	ug/kg	
78-59-1	Isophorone	ND	70	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	4.3	ug/kg	
88-74-4	2-Nitroaniline	ND	170	9.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	7.8	ug/kg	
91-20-3	Naphthalene	ND	70	4.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	3.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	4.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	4.4	ug/kg	
85-01-8	Phenanthrene	ND	70	4.7	ug/kg	
129-00-0	Pyrene	ND	70	4.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		34-111%
4165-62-2	Phenol-d5	65%		34-111%
118-79-6	2,4,6-Tribromophenol	82%		33-122%
4165-60-0	Nitrobenzene-d5	62%		29-114%
321-60-8	2-Fluorobiphenyl	69%		38-110%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-003		<b>Date Sampled:</b> 09/15/05
<b>Lab Sample ID:</b> J10018-1		<b>Date Received:</b> 09/16/05
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 94.7
<b>Method:</b> SW846 8270C SW846 3550B		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

**ABN TCL List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	91%		32-136%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.64	330	ug/kg	J
	system artifact/aldol-condensation	3.92	410	ug/kg	J
	system artifact/aldol-condensation	4.24	49000	ug/kg	J
	system artifact/aldol-condensation	5.06	220	ug/kg	J
	unknown	25.98	220	ug/kg	J
	Total TIC, Semi-Volatile		220	ug/kg	J

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> CF-003		
<b>Lab Sample ID:</b> J10018-1		<b>Date Sampled:</b> 09/15/05
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 09/16/05
<b>Method:</b> SW846 8081A SW846 3545		<b>Percent Solids:</b> 94.7
<b>Project:</b> AGFA-Peerless, Shorham, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA25350.D	1	09/20/05	MCR	09/17/05	OP21389	GOA808
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.50	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.12	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.62	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.10	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.34	ug/kg	
5103-71-9	alpha-Chlordane <sup>a</sup>	1.7	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane	1.6	1.4	0.17	ug/kg	
60-57-1	Dieldrin	2.8	1.4	0.24	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.24	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	2.8	1.4	0.27	ug/kg	
50-29-3	4,4'-DDT	2.7	1.4	0.26	ug/kg	
72-20-8	Endrin	ND	1.4	0.16	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.22	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.23	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.13	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.40	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.087	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.21	ug/kg	
72-43-5	Methoxychlor	ND	3.5	0.42	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	0.24	ug/kg	
8001-35-2	Toxaphene	ND	17	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		30-140%
877-09-8	Tetrachloro-m-xylene	84%		30-140%
2051-24-3	Decachlorobiphenyl	93%		23-155%
2051-24-3	Decachlorobiphenyl	87%		23-155%

(a) Reported from 2nd signal due to interference on 1st signal.

(b) Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> CF-003	<b>Date Sampled:</b> 09/15/05
<b>Lab Sample ID:</b> J10018-1	<b>Date Received:</b> 09/16/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 94.7
<b>Method:</b> SW846 8082 SW846 3545	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G05252.D	1	09/20/05	OYA	09/17/05	OP21390	G2G188
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	7.9	ug/kg	
11104-28-2	Aroclor 1221	ND	35	8.1	ug/kg	
11141-16-5	Aroclor 1232	ND	35	8.1	ug/kg	
53469-21-9	Aroclor 1242	ND	35	5.4	ug/kg	
12672-29-6	Aroclor 1248	ND	35	9.4	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.6	ug/kg	
11096-82-5	Aroclor 1260	ND	35	5.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		28-136%
877-09-8	Tetrachloro-m-xylene	98%		28-136%
2051-24-3	Decachlorobiphenyl	96%		27-151%
2051-24-3	Decachlorobiphenyl	97%		27-151%

0 20

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	CF-003	Date Sampled:	09/15/05
Lab Sample ID:	J10018-1	Date Received:	09/16/05
Matrix:	SO - Soil	Percent Solids:	94.7
Project:	AGFA-Peerless, Shorham, NY		

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	2820	22	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	2.0	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	<22	22	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	<0.54	0.54	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	<0.54	0.54	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	925	540	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	5.4	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	<5.4	5.4	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	5.4	2.7	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	5080	11	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	4.4	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	617	540	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	91.6	1.6	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	<0.032	0.032	mg/kg	1	09/19/05	09/20/05 MKW	SW846 7471A <sup>1</sup>	SW846 7471A <sup>3</sup>
Nickel	<4.3	4.3	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	<540	540	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	<540	540	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	7.2	5.4	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	10.2	2.2	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA16339

(2) Instrument QC Batch: MA16351

(3) Prep QC Batch: MP31572

(4) Prep QC Batch: MP31582

## Report of Analysis

<b>Client Sample ID:</b> CF-003 <b>Lab Sample ID:</b> J10018-1 <b>Matrix:</b> SO - Soil  <b>Project:</b> AGFA-Peerless, Shorham, NY	<b>Date Sampled:</b> 09/15/05 <b>Date Received:</b> 09/16/05 <b>Percent Solids:</b> 94.7
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**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.25	0.25	mg/kg	1	09/21/05 14:21	NR	SW846 9012 M
Solids, Percent	94.7		%	1	09/19/05	AK	EPA 160.3 M

## Report of Analysis

Client Sample ID:	FB-004	Date Sampled:	09/15/05
Lab Sample ID:	J10018-2	Date Received:	09/16/05
Matrix:	SO - Soil	Percent Solids:	94.2
Method:	SW846 8260B		
Project:	AGFA-Peerless, Shorham, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G83292.D	1	09/20/05	SJM	n/a	n/a	VG4231
Run #2							

Run #	Initial Weight
Run #1	4.8 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.0	ug/kg	
71-43-2	Benzene	ND	1.1	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.19	ug/kg	
75-25-2	Bromoform	ND	5.5	0.53	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.28	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.3	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.86	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.34	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.25	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	0.30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.42	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.65	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.56	ug/kg	
591-78-6	2-Hexanone	ND	5.5	0.99	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	1.3	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.24	ug/kg	
100-42-5	Styrene	ND	5.5	0.72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.53	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.87	ug/kg	
108-88-3	Toluene	ND	1.1	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.62	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.75	ug/kg	
79-01-6	Trichloroethene	ND	5.5	0.49	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FB-004	<b>Date Sampled:</b> 09/15/05
<b>Lab Sample ID:</b> J10018-2	<b>Date Received:</b> 09/16/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 94.2
<b>Method:</b> SW846 8260B	
<b>Project:</b> AGFA-Peerless, Shorham, NY	

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.5	0.28	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-122%
17060-07-0	1,2-Dichloroethane-D4	95%		62-131%
2037-26-5	Toluene-D8	105%		76-119%
460-00-4	4-Bromofluorobenzene	103%		67-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.89	180	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FB-004	Date Sampled:	09/15/05
Lab Sample ID:	J10018-2	Date Received:	09/16/05
Matrix:	SO - Soil	Percent Solids:	94.2
Method:	SW846 8270C SW846 3550B		
Project:	AGFA-Peerless, Shorham, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R47016.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	42	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	14	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	40	ug/kg	
95-48-7	2-Methylphenol	ND	180	34	ug/kg	
	3&4-Methylphenol	ND	180	34	ug/kg	
88-75-5	2-Nitrophenol	ND	180	42	ug/kg	
100-02-7	4-Nitrophenol	ND	710	57	ug/kg	
87-86-5	Pentachlorophenol	ND	710	45	ug/kg	
108-95-2	Phenol	ND	180	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	71	3.8	ug/kg	
208-96-8	Acenaphthylene	ND	71	17	ug/kg	
120-12-7	Anthracene	ND	71	5.5	ug/kg	
56-55-3	Benzo(a)anthracene	ND	71	3.7	ug/kg	
50-32-8	Benzo(a)pyrene	ND	71	6.4	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	71	5.0	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	71	6.1	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	71	5.7	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	4.8	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	7.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	6.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	9.8	ug/kg	
86-74-8	Carbazole	ND	71	5.0	ug/kg	
218-01-9	Chrysene	ND	71	4.9	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	5.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	6.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	5.5	ug/kg	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FB-004	Date Sampled:	09/15/05
Lab Sample ID:	J10018-2	Date Received:	09/16/05
Matrix:	SO - Soil	Percent Solids:	94.2
Method:	SW846 8270C SW846 3550B		
Project:	AGFA-Peerless, Shorham, NY		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	71	5.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	5.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	6.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	6.3	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	6.2	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	71	10	ug/kg	
132-64-9	Dibenzofuran	ND	71	4.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	6.4	ug/kg	
84-66-2	Diethyl phthalate	ND	71	5.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	4.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	5.7	ug/kg	
206-44-0	Fluoranthene	ND	71	4.0	ug/kg	
86-73-7	Fluorene	ND	71	6.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	71	5.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	7.5	ug/kg	
67-72-1	Hexachloroethane	ND	180	6.1	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	71	9.7	ug/kg	
78-59-1	Isophorone	ND	71	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	71	4.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	180	7.9	ug/kg	
91-20-3	Naphthalene	ND	71	4.5	ug/kg	
98-95-3	Nitrobenzene	ND	71	3.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	5.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	4.4	ug/kg	
85-01-8	Phenanthrene	ND	71	4.8	ug/kg	
129-00-0	Pyrene	ND	71	4.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		34-111%
4165-62-2	Phenol-d5	64%		34-111%
118-79-6	2,4,6-Tribromophenol	74%		33-122%
4165-60-0	Nitrobenzene-d5	62%		29-114%
321-60-8	2-Fluorobiphenyl	63%		38-110%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> FB-004		<b>Date Sampled:</b> 09/15/05
<b>Lab Sample ID:</b> J10018-2		<b>Date Received:</b> 09/16/05
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 94.2
<b>Method:</b> SW846 8270C SW846 3550B		
<b>Project:</b> AGFA-Peerless, Shorham, NY		

**ABN TCL List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	87%		32-136%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.63	350	ug/kg	J
	system artifact/aldol-condensation	3.91	380	ug/kg	J
	system artifact/aldol-condensation	4.23	47000	ug/kg	J
	system artifact/aldol-condensation	5.06	200	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

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ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: FB-004  
 Lab Sample ID: J10018-2  
 Matrix: SO - Soil  
 Method: SW846 8081A SW846 3545  
 Project: AGFA-Peerless, Shorham, NY

Date Sampled: 09/15/05  
 Date Received: 09/16/05  
 Percent Solids: 94.2

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA25351.D	1	09/20/05	MCR	09/17/05	OP21389	GOA808
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	4.3	1.4	0.51	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.13	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.64	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.10	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.35	ug/kg	
5103-71-9	alpha-Chlordane	3.4	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	3.1	1.4	0.18	ug/kg	
60-57-1	Dieldrin	6.8	1.4	0.24	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.25	ug/kg	
72-55-9	4,4'-DDE <sup>a</sup>	2.5	1.4	0.27	ug/kg	
50-29-3	4,4'-DDT	2.0	1.4	0.27	ug/kg	
72-20-8	Endrin	ND	1.4	0.16	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.23	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.24	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.13	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.41	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.089	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.22	ug/kg	
72-43-5	Methoxychlor	ND	3.5	0.43	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	0.24	ug/kg	
8001-35-2	Toxaphene	ND	18	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		30-140%
877-09-8	Tetrachloro-m-xylene	82%		30-140%
2051-24-3	Decachlorobiphenyl	90%		23-155%
2051-24-3	Decachlorobiphenyl	86%		23-155%

(a) Reported from 1st signal. %D of end check (ECC) on 2nd signal excess method criteria (15.%) so using for confirmation only.

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ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	FB-004	Date Sampled:	09/15/05
Lab Sample ID:	J10018-2	Date Received:	09/16/05
Matrix:	SO - Soil	Percent Solids:	94.2
Method:	SW846 8082 SW846 3545		
Project:	AGFA-Peerless, Shorham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G05253.D	1	09/20/05	OYA	09/17/05	OP21390	G2G188
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	8.1	ug/kg	
11104-28-2	Aroclor 1221	ND	35	8.3	ug/kg	
11141-16-5	Aroclor 1232	ND	35	8.3	ug/kg	
53469-21-9	Aroclor 1242	ND	35	5.5	ug/kg	
12672-29-6	Aroclor 1248	ND	35	9.6	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	5.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		28-136%
877-09-8	Tetrachloro-m-xylene	97%		28-136%
2051-24-3	Decachlorobiphenyl	95%		27-151%
2051-24-3	Decachlorobiphenyl	96%		27-151%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	FB-004	Date Sampled:	09/15/05
Lab Sample ID:	J10018-2	Date Received:	09/16/05
Matrix:	SO - Soil	Percent Solids:	94.2
Project:	AGFA-Peerless, Shorham, NY		

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	2730	22	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Antimony	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic	1.9	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	<22	22	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Beryllium	<0.55	0.55	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	<0.55	0.55	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Calcium	1800	550	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	4.8	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cobalt	<5.5	5.5	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper	5.5	2.7	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	4470	11	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	4.4	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	1100	550	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Manganese	87.1	1.6	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	<0.031	0.031	mg/kg	1	09/19/05	09/20/05 MKW	SW846 7471A <sup>1</sup>	SW846 7471A <sup>3</sup>
Nickel	<4.4	4.4	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Potassium	<550	550	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Selenium	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	<550	550	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Thallium	<1.1	1.1	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	7.3	5.5	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Zinc	13.0	2.2	mg/kg	1	09/19/05	09/20/05 LH	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA16339

(2) Instrument QC Batch: MA16351

(3) Prep QC Batch: MP31572

(4) Prep QC Batch: MP31582

# Report of Analysis

<b>Client Sample ID:</b> FB-004	<b>Date Sampled:</b> 09/15/05
<b>Lab Sample ID:</b> J10018-2	<b>Date Received:</b> 09/16/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 94.2
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.24	0.24	mg/kg	1	09/21/05 14:22	NR	SW846 9012 M
Solids, Percent	94.2		%	1	09/19/05	AK	EPA 160.3 M

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RL = Reporting Limit

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**VOLATILE (VOA) ANALYSIS**

Project Number: J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J10018-1	Soil	15-Sep-05	16-Sep-05	-	20-Sep-05
J10018-2	Soil	15-Sep-05	16-Sep-05	-	20-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**SEMIVOLATILE (BNA) ANALYSIS**

Project Number: J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J10018-1	Soil	15-Sep-05	16-Sep-05	17-Sep-05	20-Sep-05
J10018-2	Soil	15-Sep-05	16-Sep-05	17-Sep-05	20-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**SEMIVOLATILE (BNA) ANALYSIS**

Project Number: J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil/Conc Factor
J10018-1	Soil	SW8270C	SW3550B	None	30.3g:1.0ml
J10018-2	Soil	SW8270C	SW3550B	None	30.1g:1.0ml

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**Pesticide/PCB ANALYSIS**

Project Number: J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Pesticide					
J10018-1	Soil	15-Sep-05	16-Sep-05	17-Sep-05	20-Sep-05
J10018-2	Soil	15-Sep-05	16-Sep-05	17-Sep-05	20-Sep-05
PCB					
J10018-1	Soil	15-Sep-05	16-Sep-05	17-Sep-05	20-Sep-05
J10018-2	Soil	15-Sep-05	16-Sep-05	17-Sep-05	20-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**Pesticide/PCB ANALYSIS**

Project Numb J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil/Conc Factor
Pesticide					
J10018-1	Soil	SW8081A	SW3545	None	15.3g:10.0ml
J10018-2	Soil	SW8081A	SW3545	None	15.0g:10.0ml
PCB					
J10018-1	Soil	SW8082	SW3545	None	15.3g:10.0ml
J10018-2	Soil	SW8082	SW3545	None	15.0g:10.0ml



**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**INORGANIC ANALYSIS**

Project Number: J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
J10018-1	Soil	T.A.L Metals	16-Sep-05	20-Sep-05
J10018-2	Soil	T.A.L Metals	16-Sep-05	20-Sep-05

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**CYANIDE ANALYSIS**

Project Number: J10018

Client Name: ATC Associates, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
J10018-1	Soil	15-Sep-05	16-Sep-05	-	21-Sep-05
J10018-2	Soil	15-Sep-05	16-Sep-05	-	21-Sep-05



**ACCUTEST.**  
Laboratories

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# CHAIN OF CUSTODY

2235 Route 130, Dayton NJ 08810  
TEL: 732-329-0200 FAX: 732-329-3499/3480  
www.accutest.com

FED-EX Tracking # \_\_\_\_\_ Bottle Order Control # \_\_\_\_\_  
Accutest Quote # \_\_\_\_\_ Accutest Job # J10018

Client / Reporting Information				Project Information				Requested Analysis													Matrix Codes			
Company Name <u>ATC Associates</u>				Project Name <u>Peerless Photo</u>				<input type="checkbox"/> B260 <input type="checkbox"/> B24 <input type="checkbox"/> B21 <input type="checkbox"/> B02 <input type="checkbox"/> PAUG <input type="checkbox"/> PAUG <input type="checkbox"/> ETX <input type="checkbox"/> MTBE <input type="checkbox"/> TBA <input type="checkbox"/> NAP <input type="checkbox"/> PAUG <input type="checkbox"/> B260 <input type="checkbox"/> B24 <input type="checkbox"/> B21 <input type="checkbox"/> B02 <input type="checkbox"/> PAUG <input type="checkbox"/> PAUG <input type="checkbox"/> ETX <input type="checkbox"/> MTBE <input type="checkbox"/> TBA <input type="checkbox"/> NAP <input type="checkbox"/> PAUG <input type="checkbox"/> B260 <input type="checkbox"/> B24 <input type="checkbox"/> B21 <input type="checkbox"/> B02 <input type="checkbox"/> PAUG <input type="checkbox"/> PAUG <input type="checkbox"/> ETX <input type="checkbox"/> MTBE <input type="checkbox"/> TBA <input type="checkbox"/> NAP <input type="checkbox"/> PAUG													DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe <b>LAB USE ONLY</b>			
Address <u>3 Terri</u>				Street <u>5 Randall Rd</u>				<u>Full TCL+30</u>													EX 80, 1961			
City <u>Burlington NJ</u>		State <u>NJ</u>		Zip <u></u>		City <u>Shoreham NY</u>		State <u>NY</u>		Zip <u>11786</u>		<u>Full TAL+30</u>												
Project Contact <u>Mike McNealy</u>				Project # <u>68-28817,0001</u>				<u>Matrix Spike / MSD</u>																
Phone # <u>(609) 386-8800</u>				Fax # <u></u>				<u>Pesticides / PCBs</u>																
Sampler's Name <u>Jon Lovenduski</u>				Client Purchase Order # <u></u>				<u>Cyanide</u>																
Accutest Sample #	Field ID / Point of Collection	SUMMA #	Collection			Number of preserved Bottles										Matrix	# of bottles							
			MECH	Date	Time	Sampled By	1	2	3	4	5	6	7	8	9			10						
<u>-1</u>	<u>CE-003</u>		<u>9/15/05</u>	<u>11:05</u>	<u>JL</u>	<u>5</u>	<u>6</u>																<u>6</u>	
<u>-2</u>	<u>FB-004</u>		<u>9/15/05</u>	<u>11:15</u>	<u>JL</u>	<u>5</u>	<u>6</u>																<u>6</u>	

Turnaround Time (Business Days) \_\_\_\_\_ Data Deliverable Information \_\_\_\_\_ Comments / Remarks Rush 3-Day T/A

Std 15 Business Days  
 10 Day RUSH  
 5 Day RUSH  
 3 Day EMERGENCY  
 2 Day EMERGENCY  
 1 Day EMERGENCY  
 Other \_\_\_\_\_

Approved By / Date: JL 9/15/05

Commercial "A"  
 Commercial "B"  
 NJ Reduced  
 NJ Full  
 Other \_\_\_\_\_

FULL CLP  
 NYASP Category A  
 NYASP Category B  
 State Forms  
 EDD Format \_\_\_\_\_

Commercial "A" = Results Only

Emergency & Rush T/A data available VIA LabLink

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by	Date / Time	Received by	Date / Time	Relinquished by	Date / Time	Received by	Date / Time
<u>[Signature]</u>	<u>9/15/05</u>	<u>[Signature]</u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u>[Signature]</u>	<u>9/16/05</u>	<u>[Signature]</u>	<u></u>	<u></u>	<u>9-16-05</u>	<u></u>	<u></u>

Custody Seal # \_\_\_\_\_ Preserved where applicable  On Ice  Cooler Temp. 2.2°C

**APPENDIX B**

# Volatile/Semivolatile Data Review Summary ATC

**BCM Project Name:** Peerless Photo Products  
**BCM Project No.:** 68.28817.0001  
**Project Manager:** M. McNally  
**Laboratory:** Accutest

**Case No./SDG:** J10018  
**Sampling Date(s):** 9/15/2005  
**Reviewed By:** M. Traxler  
**Completion Date:** 3/22/2006

**Fraction Reviewed:**  VOLATILE ORGANICS  SEMIVOLATILE ORGANICS  
**Compound List:**  TCL  Priority Pollutant  Appendix IX  Other  
**Method:**  CLP SOW  40 CFR 136 Meth. 601/602  SW-846 Method 8260B  Other

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	Comments
Holding Times	X			< 14 days soil / 7 days water
GC/MS Tuning	X			
Initial Calibrations	X			<25 RPD
Continuing Calibrations	X			<20 RPD
Blank Analysis Results	X			<RL
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results	X			75-125%R <20 RPD
Field Duplicate Results		X		No FD
Internal Standard Areas/RT				NR
Target Compound Identification				NR
TIC Identification				NR
Quantitation/Detection Limits				NR
Laboratory Control Sample	X			80-120%
Other:				

General Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M. Traxler Date 3/21/06

# Volatile/Semivolatile Data Review Summary

ATC

BCM Project Name: Peerless Photo Products  
 BCM Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J10018  
 Sampling Date(s): 9/15/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/21/2006

Fraction Reviewed:  VOLATILE ORGANICS  SEMIVOLATILE ORGANICS  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other  
 Method:  CLP SOW  40 CFR 136 Meth. 601/602  SW-846 Method 8270B  Other

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	Comments
Holding Times	X			<40 days
GC/MS Tuning	X			
Initial Calibrations	X			<25 RSD
Continuing Calibrations	X			<20 RPD
Blank Analysis Results	X			<RL
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results	X			75-125% R 20 RPD
Field Duplicate Results	X			<50 RPD
Internal Standard Areas/RT	X			Within acceptance limits
Target Compound Identification	X			
TIC Identification	X			
Quantitation/Detection Limits	X			
Laboratory Control Sample	X			80-120% R
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M Traxler Date 3/21/06

# Pesticide Data Review Summary

ATC

ATC Project Name: Peerless Photo Products  
 ATC Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J10018  
 Sampling Date(s): 9/15/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/21/2006

Fraction Reviewed:  PESTICIDES  PCBs  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW  40 CFR 136 Method \_\_\_\_\_  SW-846 Method \_\_\_\_\_  Other \_\_\_\_\_

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations				NA
Blank Analysis Results	X			
System Monitoring/Surrogate Results	X			
MS/MSD Results	X			
Field Duplicate Results	X			
Internal Standard Areas/RT				
Target Compound Identification	X			
Quantitation/Detection Limits	X			
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M Traxler Date 3/21/06

# PCB Data Review Summary

ATC

ATC Project Name: Peerless Photo Products  
 ATC Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J10018  
 Sampling Date(s): 9/15/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/21/2006

Fraction Reviewed:  PESTICIDES  PCBs  
 Compound List:  TCL  Priority Pollutant  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW  40 CFR 136 Method \_\_\_\_\_  SW-846 Method \_\_\_\_\_  Other \_\_\_\_\_

The following table indicates the data review criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept/	FYI/	qualify	comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations				NA
Blank Analysis Results	X			
System Monitoring/Surrogate Results	X			
MS/MSD Results	X			
Field Duplicate Results	X			
Internal Standard Areas/RT	X			
Target Compound Identification	X			
Quantitation/Detection Limits	X			
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M. Traxler Date 3/21/06



# Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products  
 Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J10018  
 Sampling Date(s): 9/15/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/21/2006

Compound List:  TAL  Appendix IX  Other \_\_\_\_\_  
 Method:  CLP SOW 3/90  SW-846  Other \_\_\_\_\_  
 Matrix:  soil/solid (mg/Kg)  aqueous (ug/L)

The following table indicates the data validation criteria examined, problems identified, and QA action.

Data Validation Criteria:                      accept FYI    qualify    comments

Data Validation Criteria	accept	FYI	qualify	comments
Holding Times	X			Less than 180 days
Calibration Linearity - Furnace, Hg, and CN				NR
Calibration Verification	X			2-point standard
CRDL Standard	X			50 - 150 % R
Calibration Blanks	X			< RL
Preparation Blanks	X			< RL
Field Blank		X		No FB
ICP Interference Check Sample	X			80 - 120 % R
Laboratory Control Sample	X			80 - 120 % R
Matrix Spike Results	X			75 - 125 % R
Laboratory Duplicate Results	X			< 20 RPD
ICP Serial Dilution	X			< 10 RPD (except <50X IDL)
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results		X		No FD
Sample Result Verification	X			
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M Traxler Date 3/21/06

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J10018  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
J10018-1MS	G83293.D	1	09/20/05	SJM	n/a	n/a	VG4231
J10018-1MSD	G83294.D	1	09/20/05	SJM	n/a	n/a	VG4231
J10018-1	G83291.D	1	09/20/05	SJM	n/a	n/a	VG4231

The QC reported here applies to the following samples:

Method: SW846 8260B

J10018-1, J10018-2

CAS No.	Compound	J10018-1		MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
		ug/kg	Q							
67-64-1	Acetone	ND		51.8	43.8	85	45.3	88	3	6-184/34
71-43-2	Benzene	ND		51.8	39.9	77	39.2	76	2	54-132/15
75-27-4	Bromodichloromethane	ND		51.8	41.6	80	41.8	81	0	56-139/16
75-25-2	Bromoform	ND		51.8	37.2	72	39.4	76	6	52-134/20
74-83-9	Bromomethane	ND		51.8	36.2	70	35.3	68	3	7-141/31
78-93-3	2-Butanone (MEK)	ND		51.8	32.8	63	34.0	66	4	24-168/30
75-15-0	Carbon disulfide	ND		51.8	29.2	56	27.4	53	6	32-143/20
56-23-5	Carbon tetrachloride	ND		51.8	34.2	66	33.4	65	2	40-149/16
108-90-7	Chlorobenzene	ND		51.8	38.1	74	40.0	77	5	50-136/19
75-00-3	Chloroethane	ND		51.8	39.4	76	37.8	73	4	12-139/29
67-66-3	Chloroform	ND		51.8	43.5	84	42.6	82	2	57-135/15
74-87-3	Chloromethane	ND		51.8	37.2	72	35.6	69	4	41-138/22
124-48-1	Dibromochloromethane	ND		51.8	41.0	79	42.5	82	4	57-139/18
75-34-3	1,1-Dichloroethane	ND		51.8	41.7	81	40.8	79	2	56-135/15
107-06-2	1,2-Dichloroethane	ND		51.8	42.3	82	42.5	82	0	58-137/15
75-35-4	1,1-Dichloroethene	ND		51.8	36.8	71	35.8	69	3	43-144/18
156-59-2	cis-1,2-Dichloroethene	ND		51.8	41.3	80	41.1	79	0	54-139/15
156-60-5	trans-1,2-Dichloroethene	ND		51.8	38.0	73	37.8	73	1	48-139/16
78-87-5	1,2-Dichloropropane	ND		51.8	42.2	82	41.8	81	1	60-131/15
10061-01-5	cis-1,3-Dichloropropene	ND		51.8	34.2	66	35.1	68	3	51-137/16
10061-02-6	trans-1,3-Dichloropropene	ND		51.8	33.0	64	34.8	67	5	50-140/17
100-41-4	Ethylbenzene	ND		51.8	35.9	69	37.0	71	3	44-142/20
591-78-6	2-Hexanone	ND		51.8	25.5	49	28.7	55	12	27-161/27
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		51.8	30.4	59	32.4	63	6	51-141/22
75-09-2	Methylene chloride	ND		51.8	42.8	83	42.6	82	0	56-137/17
100-42-5	Styrene	ND		51.8	33.5	65	35.6	69	6	43-148/22
79-34-5	1,1,2,2-Tetrachloroethane	ND		51.8	36.9	71	39.3	76	6	51-137/24
127-18-4	Tetrachloroethene	ND		51.8	52.9	102	58.0	112	9	33-167/29
108-88-3	Toluene	ND		51.8	38.2	74	38.8	75	2	47-140/17
71-55-6	1,1,1-Trichloroethane	ND		51.8	37.5	72	36.6	71	2	48-142/16
79-00-5	1,1,2-Trichloroethane	ND		51.8	40.6	78	41.8	81	3	60-134/17
79-01-6	Trichloroethene	ND		51.8	38.1	74	38.2	74	0	45-145/17
75-01-4	Vinyl chloride	ND		51.8	39.6	77	37.4	72	6	42-142/18
1330-20-7	Xylene (total)	ND		155	108	70	113	73	5	43-144/21

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J10018  
Account: BCMNJ ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
J10018-1MS	G83293.D	1	09/20/05	SJM	n/a	n/a	VG4231
J10018-1MSD	G83294.D	1	09/20/05	SJM	n/a	n/a	VG4231
J10018-1	G83291.D	1	09/20/05	SJM	n/a	n/a	VG4231

The QC reported here applies to the following samples:

Method: SW846 8260B

J10018-1, J10018-2

CAS No.	Surrogate Recoveries	MS	MSD	J10018-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	104%	70-122%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	96%	62-131%
2037-26-5	Toluene-D8	105%	105%	104%	76-119%
460-00-4	4-Bromofluorobenzene	105%	105%	106%	67-137%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J10018  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21388-MS	R47017.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634
OP21388-MSD	R47018.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634
J10018-1	R47015.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634

The QC reported here applies to the following samples:

Method: SW846 8270C

J10018-1, J10018-2

CAS No.	Compound	J10018-1		MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
		ug/kg	Q							
95-57-8	2-Chlorophenol	ND		1740	1140	65	1120	64	2	45-103/18
59-50-7	4-Chloro-3-methyl phenol	ND		1740	1440	83	1380	79	4	49-113/19
120-83-2	2,4-Dichlorophenol	ND		1740	1320	76	1250	72	5	44-112/18
105-67-9	2,4-Dimethylphenol	ND		1740	1330	76	1290	74	3	39-114/19
51-28-5	2,4-Dinitrophenol	ND		3490	777	22	555	16	33	1-116/38
534-52-1	4,6-Dinitro-o-cresol	ND		1740	494	28	366	21	30	2-123/39
95-48-7	2-Methylphenol	ND		1740	1060	61	1020	59	4	42-105/20
	3&4-Methylphenol	ND		1740	1060	61	1020	59	4	40-110/21
88-75-5	2-Nitrophenol	ND		1740	1050	60	1040	60	1	28-110/24
100-02-7	4-Nitrophenol	ND		1740	1200	69	962	55	22	20-137/31
87-86-5	Pentachlorophenol	ND		1740	1200	69	1170	67	3	26-123/24
108-95-2	Phenol	ND		1740	1080	62	1100	63	2	43-106/21
95-95-4	2,4,5-Trichlorophenol	ND		1740	1370	79	1250	72	9	47-111/19
88-06-2	2,4,6-Trichlorophenol	ND		1740	1440	83	1360	78	6	50-113/19
83-32-9	Acenaphthene	ND		1740	1280	73	1230	71	4	31-120/27
208-96-8	Acenaphthylene	ND		1740	1160	67	1110	64	4	37-104/23
120-12-7	Anthracene	ND		1740	1430	82	1360	78	5	41-119/28
56-55-3	Benzo(a)anthracene	ND		1740	1380	79	1340	77	3	37-125/31
50-32-8	Benzo(a)pyrene	ND		1740	1420	81	1360	78	4	37-124/29
205-99-2	Benzo(b)fluoranthene	ND		1740	1500	86	1440	83	4	25-147/33
191-24-2	Benzo(g,h,i)perylene	ND		1740	941	54	823	47	13	4-135/38
207-08-9	Benzo(k)fluoranthene	ND		1740	1710	98	1710	98	0	25-142/31
101-55-3	4-Bromophenyl phenyl ether	ND		1740	1340	77	1240	71	8	48-115/20
85-68-7	Butyl benzyl phthalate	ND		1740	1320	76	1270	73	4	32-148/22
91-58-7	2-Chloronaphthalene	ND		1740	1230	71	1170	67	5	45-105/19
106-47-8	4-Chloroaniline	ND		1740	892	51	903	52	1	8-94/31
86-74-8	Carbazole	ND		1740	1360	78	1310	75	4	37-136/26
218-01-9	Chrysene	ND		1740	1380	79	1330	76	4	36-124/29
111-91-1	bis(2-Chloroethoxy)methane	ND		1740	948	54	942	54	1	40-112/21
111-44-4	bis(2-Chloroethyl)ether	ND		1740	802	46	817	47	2	37-105/25
108-60-1	bis(2-Chloroisopropyl)ether	ND		1740	910	52	908	52	0	36-108/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		1740	1200	69	1150	66	4	48-110/19
95-50-1	1,2-Dichlorobenzene	ND		1740	993	57	1010	58	2	39-98/21
541-73-1	1,3-Dichlorobenzene	ND		1740	979	56	996	57	2	37-96/22
106-46-7	1,4-Dichlorobenzene	ND		1740	961	55	996	57	4	36-98/22
121-14-2	2,4-Dinitrotoluene	ND		1740	1270	73	1220	70	4	30-126/25

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J10018  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21388-MS	R47017.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634
OP21388-MSD	R47018.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634
J10018-1	R47015.D	1	09/20/05	WHS	09/17/05	OP21388	ER1634

The QC reported here applies to the following samples:

Method: SW846 8270C

J10018-1, J10018-2

CAS No.	Compound	J10018-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		1740	75	1300	70	6	42-117/24
91-94-1	3,3'-Dichlorobenzidine	ND		1740	52	908	48	8	3-111/39
53-70-3	Dibenzo(a,h)anthracene	ND		1740	64	1110	57	11	14-133/30
132-64-9	Dibenzofuran	ND		1740	71	1230	68	4	37-125/29
84-74-2	Di-n-butyl phthalate	ND		1740	75	1310	72	4	47-122/21
117-84-0	Di-n-octyl phthalate	ND		1740	112	1950	118	5	27-168/29
84-66-2	Diethyl phthalate	ND		1740	73	1280	69	6	50-113/20
131-11-3	Dimethyl phthalate	ND		1740	68	1180	64	6	51-108/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1740	81	1410	80	1	29-151/25
206-44-0	Fluoranthene	19.5	J	1740	79	1400	77	3	28-133/35
86-73-7	Fluorene	ND		1740	81	1410	77	4	39-119/32
118-74-1	Hexachlorobenzene	ND		1740	88	1540	86	3	49-111/19
87-68-3	Hexachlorobutadiene	ND		1740	66	1150	67	1	37-114/21
77-47-4	Hexachlorocyclopentadiene	ND		3490	24	839	22	9	1-95/42
67-72-1	Hexachloroethane	ND		1740	53	931	54	2	19-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1740	81	1420	72	13	13-130/35
78-59-1	Isophorone	ND		1740	60	1040	59	1	36-103/20
91-57-6	2-Methylnaphthalene	ND		1740	61	1060	59	3	30-120/26
88-74-4	2-Nitroaniline	ND		1740	74	1290	71	5	39-122/23
99-09-2	3-Nitroaniline	ND		1740	65	1130	63	3	27-107/30
100-01-6	4-Nitroaniline	ND		1740	57	1000	56	2	20-123/35
91-20-3	Naphthalene	ND		1740	61	1060	61	0	29-113/28
98-95-3	Nitrobenzene	ND		1740	58	1010	58	0	31-112/21
621-64-7	N-Nitroso-di-n-propylamine	ND		1740	55	957	54	1	36-114/22
86-30-6	N-Nitrosodiphenylamine	ND		1740	71	1240	67	7	35-136/22
85-01-8	Phenanthrene	ND		1740	82	1430	79	4	29-129/39
129-00-0	Pyrene	ND		1740	82	1430	81	1	20-148/40
120-82-1	1,2,4-Trichlorobenzene	ND		1740	61	1060	61	0	36-104/21

CAS No.	Surrogate Recoveries	MS	MSD	J10018-1	Limits
367-12-4	2-Fluorophenol	62%	63%	64%	34-111%
4165-62-2	Phenol-d5	68%	67%	65%	34-111%
118-79-6	2,4,6-Tribromophenol	101%	95%	82%	33-122%
4165-60-0	Nitrobenzene-d5	63%	62%	62%	29-114%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J10018  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21389-MS	OA25331.D	1	09/19/05	MCR	09/17/05	OP21389	GOA808
OP21389-MSD	OA25332.D	1	09/19/05	MCR	09/17/05	OP21389	GOA808
J10018-1	OA25350.D	1	09/20/05	MCR	09/17/05	OP21389	GOA808

The QC reported here applies to the following samples:

Method: SW846 8081A

J10018-1, J10018-2

CAS No.	Compound	J10018-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND	17.5	20.2	116	20.0	115	1	26-166/32
319-84-6	alpha-BHC	ND	17.5	17.7	101	18.0	104	2	24-172/36
319-85-7	beta-BHC	ND	17.5	19.2	110	18.7	108	3	16-174/41
319-86-8	delta-BHC	ND	17.5	17.1	98	17.2	99	1	10-175/42
58-89-9	gamma-BHC (Lindane)	ND	17.5	18.2	104	18.3	105	1	26-168/38
5103-71-9	alpha-Chlordane	1.7	17.5	20.0	105	20.7	110	3	21-177/34
5103-74-2	gamma-Chlordane	1.6	17.5	19.8	104	19.2	101	3	24-173/38
60-57-1	Dieldrin	2.8	17.5	18.1	88	17.6	85	3	20-181/41
72-54-8	4,4'-DDD	ND	17.5	20.7	118	19.5	112	6	22-186/36
72-55-9	4,4'-DDE	2.8	17.5	17.8	90	16.8	85	6	19-192/42
50-29-3	4,4'-DDT	2.7	17.5	23.2	117	21.4	108	8	18-200/44
72-20-8	Endrin	ND	17.5	19.2	110	18.4	106	4	26-175/36
1031-07-8	Endosulfan sulfate	ND	17.5	18.2	104	17.3	100	5	9-175/46
7421-93-4	Endrin aldehyde	ND	17.5	16.6	95	16.1	93	3	10-141/46
959-98-8	Endosulfan-I	ND	17.5	18.1	104	17.6	101	3	24-167/38
33213-65-9	Endosulfan-II	ND	17.5	18.9	108	17.9	103	5	13-175/40
76-44-8	Heptachlor	ND	17.5	17.9	102	18.0	104	1	32-169/36
1024-57-3	Heptachlor epoxide	ND	17.5	19.0	109	18.2	105	4	25-169/34
72-43-5	Methoxychlor	ND	17.5	22.1	126	21.0	121	5	18-182/45
53494-70-5	Endrin ketone	ND	17.5	18.4	105	17.2	99	7	19-181/42
8001-35-2	Toxaphene	ND		ND		ND		nc	50-150/10

CAS No.	Surrogate Recoveries	MS	MSD	J10018-1	Limits
877-09-8	Tetrachloro-m-xylene	91%	93%	99%	30-140%
877-09-8	Tetrachloro-m-xylene	80%	83%	84%	30-140%
2051-24-3	Decachlorobiphenyl	102%	92%	93%	23-155%
2051-24-3	Decachlorobiphenyl	95%	86%	87%	23-155%

# Matrix Spike/Matrix Spike Duplicate Summary

Job Number: J10018  
 Account: BCMNJ ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21390-MS	2G05254.D	1	09/20/05	OYA	09/17/05	OP21390	G2G188
OP21390-MSD	2G05255.D	1	09/20/05	OYA	09/17/05	OP21390	G2G188
J10018-1	2G05252.D	1	09/20/05	OYA	09/17/05	OP21390	G2G188

The QC reported here applies to the following samples:

Method: SW846 8082

J10018-1, J10018-2

CAS No.	Compound	J10018-1 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND	138	141	102	141	102	0	54-146/26	
11104-28-2	Aroclor 1221	ND		ND		ND		nc	70-130/10	
11141-16-5	Aroclor 1232	ND		ND		ND		nc	70-130/10	
53469-21-9	Aroclor 1242	ND		ND		ND		nc	70-130/10	
12672-29-6	Aroclor 1248	ND		ND		ND		nc	70-130/15	
11097-69-1	Aroclor 1254	ND		ND		ND		nc	70-130/18	
11096-82-5	Aroclor 1260	ND	138	138	100	138	100	0	39-160/29	

CAS No.	Surrogate Recoveries	MS	MSD	J10018-1	Limits
877-09-8	Tetrachloro-m-xylene	93%	93%	95%	28-136%
877-09-8	Tetrachloro-m-xylene	95%	95%	98%	28-136%
2051-24-3	Decachlorobiphenyl	93%	93%	96%	27-151%
2051-24-3	Decachlorobiphenyl	94%	93%	97%	27-151%

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J10018  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31582  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 09/19/05

Metal	J10018-1 Original MS	Spikelot MPIRS1	% Rec	QC Limits	
Aluminum	2820	8840	5820	103.5	75-125
Antimony	0.0	64.9	108	60.2N(a)	75-125
Arsenic	2.0	369	431	85.1	75-125
Barium	9.2	390	431	88.4	75-125
Beryllium	0.19	9.8	11	89.2	75-125
Boron					
Cadmium	0.0	9.4	11	87.2	75-125
Calcium	925	2420	1350	111.0	75-125
Chromium	5.4	44.3	43.1	90.3	75-125
Cobalt	1.6	95.9	108	87.5	75-125
Copper	5.4	54.4	53.9	90.9	75-125
Iron	5080	10000	5600	87.8	75-125
Lead	4.4	99.3	108	88.1	75-125
Magnesium	617	1970	1350	100.5	75-125
Manganese	91.6	184	108	85.8	75-125
Molybdenum					
Nickel	3.8	98.3	108	87.7	75-125
Palladium					
Potassium	216	1530	1350	97.6	75-125
Selenium	0.0	370	431	85.8	75-125
Silicon					
Silver	0.0	9.5	11	88.2	75-125
Sodium	36.4	1220	1350	87.9	75-125
Strontium					
Thallium	0.0	374	431	86.8	75-125
Tin					
Titanium					
Vanadium	7.2	100	108	86.1	75-125
Zinc	10.2	105	108	88.0	75-125

*low antimony MS  
 MT 3/21/06*

Associated samples MP31582: J10018-1, J10018-2

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J10018  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31582  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: mg/kg

Prep Date: 09/19/05

Metal	J10018-1 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	2820	8190	5820	92.3	7.6	20
Antimony	0.0	63.6	108	59.0N(a)	2.0	20
Arsenic	2.0	370	431	85.4	0.3	20
Barium	9.2	389	431	88.1	0.3	20
Beryllium	0.19	9.8	11	89.2	0.0	20
Boron						
Cadmium	0.0	9.5	11	88.2	1.1	20
Calcium	925	2180	1350	93.2	10.4	20
Chromium	5.4	44.2	43.1	90.0	0.2	20
Cobalt	1.6	95.7	108	87.3	0.2	20
Copper	5.4	55.5	53.9	93.0	2.0	20
Iron	5080	9600	5600	80.7	4.1	20
Lead	4.4	99.3	108	88.1	0.0	20
Magnesium	617	1780	1350	86.3	10.1	20
Manganese	91.6	174	108	76.5	5.6	20
Molybdenum						
Nickel	3.8	98.7	108	88.1	0.4	20
Palladium						
Potassium	216	1470	1350	93.1	4.0	20
Selenium	0.0	379	431	87.9	2.4	20
Silicon						
Silver	0.0	9.6	11	89.1	1.0	20
Sodium	36.4	1230	1350	88.6	0.8	20
Strontium						
Thallium	0.0	376	431	87.2	0.5	20
Tin						
Titanium						
Vanadium	7.2	99.7	108	85.8	0.3	20
Zinc	10.2	103	108	86.1	1.9	20

*low antimony MSD  
 MT 3/21/06*

Associated samples MP31582: J10018-1, J10018-2

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SERIAL DILUTION RESULTS SUMMARY

Login Number: J10018  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31582  
 Matrix Type: SOLID

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 09/19/05

Metal	J10018-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	26100	28400	8.6	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	18.7	0.00	100.0 (a)	0-10
Barium	85.5	93.5	9.4	0-10
Beryllium	1.78	0.00	100.0 (a)	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	8580	9790	14.1* (b)	0-10
Chromium	49.7	57.3	15.1* (b)	0-10
Cobalt	14.7	13.8	5.5	0-10
Copper	49.7	52.0	4.5	0-10
Iron	47100	51600	9.6	0-10
Lead	40.4	41.5	2.7	0-10
Magnesium	5730	6340	10.6* (b)	0-10
Manganese	850	916	7.8	0-10
Molybdenum				
Nickel	35.1	39.0	11.3 (a)	0-10
Palladium				
Potassium	2010	2220	10.4* (b)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	338	975	188.4 (a)	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium	anr			
Vanadium	67.0	73.2	9.2	0-10
Zinc	95.0	111	16.9* (b)	0-10

Serial dilutions exceed 10% RPD  
 As, Be, <sup>Co</sup>Cr, Ni, Mg, K, Na, Zn < 50x IDL  
 All metals acceptable,  
 MT 3/21/06

Associated samples MP31582: J10018-1, J10018-2

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J10018  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31572  
Matrix Type: SOLID

Methods: SW846 7471A  
Units: mg/kg

Prep Date: 09/19/05

Metal	J10018-1 Original MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.013 0.34	0.32	101.4	51-153

Associated samples MP31572: J10018-1, J10018-2

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J10018  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31572  
 Matrix Type: SOLID

Methods: SW846 7471A  
 Units: mg/kg

Prep Date: 09/19/05

Metal	J10018-1 Original MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.013	0.33	0.3	104.5	3.0 40

Associated samples MP31572: J10018-1, J10018-2

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

**DATA USABILITY REPORT**  
**ACCUSTEST CASE NO. J11554**

**DATA USABILITY SUMMARY REPORT**

**FOR**

**PEERLESS PHOTO PRODUCTS  
SHORHAM, NEW YORK  
OCTOBER 2005**

**REPORTED MARCH 2006**

**ATC PROJECT NO. 68.28817.0001**

**PREPARED BY**

*Mark Traxler*


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**MARK TRAXLER  
SENIOR QUALITY ASSURANCE SCIENTIST**



920 Germantown Pike, Suite 200 ■ Plymouth Meeting, PA 19462

The following Data Usability Summary Report (DUSR) was conducted by the ATC Associates Inc. Environmental Chemistry and Quality Assurance Department. This report has concluded that the following analytical data, with the use of the stated qualifications, generated in the sampling event of October 3, 2005 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

  
\_\_\_\_\_  
Mark Traxler  
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY  
TCLP METALS  
PEERLESS PHOTO PRODUCTS SITE  
OCTOBER 2005**

**1.0 INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared in accordance with the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. This DUSR has been developed from a full NYSDEC Analytical Services Protocol (ASP) Category B deliverables package.

This DUSR addresses the eight (8) Toxicity Characteristic Leaching Procedure (TCLP) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) results from the October 3, 2005 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case J11554 included a total of three (3) soil samples for TCLP metals analysis.

The findings offered in this DUSR are based upon a general review of sample data, holding times, initial and continuing calibration verification results, contract required detection limit (CRDL) standard results, blank contamination results, inductively coupled plasma (ICP) interference check sample results, spike sample results, laboratory and field duplicate results, and laboratory control sample results. All samples in this report were analyzed by Accutest Laboratories, Dayton, New Jersey following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 1311, 3010A, 7470 and 6010B. The quality assurance review of the data described was prepared according to EPA's *National Functional Guidelines for Inorganic Data Review, Final*, (EPA 540-R-04-004) dated October 2004, where applicable to SW-846 Methods. Method protocol criteria were also considered as prescribed by SW-846.

The analytical data deliverables for Case J11554 consist of NYSDCE ASP Category B reporting forms and raw data for each analysis, which includes instrument printouts, notebook pages, and chain-of-custody (COC) documents.

The data summary tables list the eight (8) metals that were analyzed. Appendix A provides the sample results as reported by the laboratory, along with a copy of the associated COC documentation. The support documentation in Appendix B summarizes the specific issues raised in this review. Analytical problems that were encountered were outlined in the Findings/Qualifiers section.



The following components of the data package were reviewed for completeness:

- Sample chain-of-custody form;
- Case narrative;
- Summary forms and supporting documents;
- Calibration data;
- Instrument and method performance data;
- Data report forms, preparation logs and run logs; and
- Raw analytical data.

The following items of the data package were reviewed for compliance:

- The data package is complete, as defined above;
- The data has been produced and reported in a manner consistent with the requirements of the Quality Assurance Project Plan (QAPP);
- The QAPP-defined quality assurance (QA) and quality control (QC) criteria have been met;
- Instrument calibration requirements have been met for the time frame during which the analyses were completed;
- Initial and Continuing calibration data are presented and documented;
- Data reporting forms are complete; and
- Problems encountered during the analytical process have been reported in the case narrative.

## **2.0 LABORATORY DATA PACKAGE**

The data package that was received from Accutest was paginated, complete and overall was of good quality. Comments on specific QA/QC issues and other requirements are discussed in detail in this report.

The samples were collected, properly preserved, shipped under a chain of custody record, and received at Accutest on the next day. All samples were received intact and in good condition at Accutest.

The soil samples were collected and analyzed for TCLP metals following SW-846 Method 1311 for TCLP extraction, 3010A for digestion and 6010B for analysis (except for mercury, which was 7470).

### **3.0 FINDINGS/QUALIFIERS**

The following TCLP metals analysis elements were reviewed for compliance:

- Custody documentation
- Holding times
- Initial and continuing calibrations
- Contract Required Detection Limit (CRDL) check sample
- Laboratory preparation blanks and field blanks
- Inductively coupled plasma (ICP) interference check sample
- Matrix spike recoveries
- Laboratory duplicate precision
- Field duplicate precision
- Laboratory control sample recoveries
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits

It is recommended that Case J11554 TCLP metals results be used with the following qualifiers:

1. Batch QC samples were used for MS/MSD and serial dilution results. There were no field duplicate, field blank, or site-specific MS/MSD samples associated with this batch of samples.
2. The ICP serial dilution exceeded the control limit of 10% difference for several metals. However, since the original values were less than 50 times the Instrument Detection Limit (IDL), the ICP serial dilution for these metals were acceptable. No qualification of data was necessary due to the ICP serial dilution results.

### **4.0 SUMMARY**

The TCLP metals results are acceptable as qualified. Holding times, initial and continuing calibration verification results, CRDL check sample results, continuing calibration blank results, laboratory preparation blank results, blank sample results, ICP interference check sample results, matrix spike recoveries, laboratory duplicates, field duplicates, laboratory control sample results, and ICP serial dilution results were within acceptance limits. Sample results were properly verified and identified, along with the appropriate quantitation limits.

This review has identified no areas of concern. The data has been qualified accordingly on the data summary table. For specifics relating to this review, see the attached documentation in Appendix B.

## QUALIFIER CODES - METALS

- U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ - The result is an estimated quantity, but the result may be biased high.
- J- - The result is an estimated quantity, but the result may be biased low.
- UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- R - The data is unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be in the sample.

DATA SUMMARY - INORGANIC ANALYTES

Site Name Peerless Photo Products  
 Project Number 68.28817.0001  
 Sampling Date(s) 10/3/2005

TCLP Leachate (mg/L)

Laboratory Accutest - Dayton, NJ  
 Case/Order # J11554  
 Fraction/Method TCLP Metals / 3010A / 6010B

Sample Location or Description	STOCKPILE-1	STOCKPILE-2	STOCKPILE-3																
Sample Number	J11554-1	J11554-2	J11554-3																
Sampling Date	10/3/2005	10/3/2005	10/3/2005																
Preparation Date	10/4/2005	10/4/2005	10/4/2005																
Analysis Date	10/21/2005	10/21/2005	10/21/2005																
Percent Solids	n/a	n/a	n/a																

RL		P	Hg	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF
0.50	Arsenic	X		U	1	U	1	U	1										
1.0	Barium	X		U	1	U	1	1.3	1										
0.0050	Caesium	X		U	1	0.023	1	0.043	1										
0.010	Chromium	X		U	1	U	1	U	1										
0.50	Lead	X		U	1	U	1	U	1										
0.0020	Mercury	X	X	U	1	U	1	U	1										
0.50	Selenium	X		U	1	U	1	U	1										
0.010	Silver	X		U	1	0.016	1	0.013	1										

P - ICP  
 Hg - Mercury  
 Q - Qualifier, if any  
 DF - Dilution Factor

**APPENDIX A**



## SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: ATC Associates, Inc.

Job No J11554

Site: AGFA-Peerless, Shorham, NY

Report Date 10/21/2005 4:46:02 P

3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 10/03/2005 and were received at Accutest on 10/04/2005 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of J11554. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Metals By Method SW846 6010B

Matrix: LEACHATE

Batch ID: MP31789

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J11061-1MS, J11061-1MSD, J11061-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Chromium, Lead, Selenium are outside control limits for sample MP31789-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

### Metals By Method SW846 7470A

Matrix: LEACHATE

Batch ID: MP31810

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J10992-6MS, J10992-6MSD were used as the QC samples for metals.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J11554).

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

Project Number: J11554

Client Name: ATC Assoicateds, Inc.  
AGFA-Peerless, Shorham, NY

Customer Sample Code	Laboratory Sample ID	Analytical Requirements					
		VOA GC/MS Method 8260	BNA GC/MS Method 8270C	VOC GC Method 8021	Pest PCB Method 8082	Metals	Other PHC
STOCKPILE-1	J11554-1					X	
STOCKPILE-2	J11554-2					X	
STOCKPILE-3	J11554-3					X	



## Report of Analysis

<b>Client Sample ID:</b> STOCKPILE - 1	<b>Date Sampled:</b> 10/03/05
<b>Lab Sample ID:</b> J11554-1	<b>Date Received:</b> 10/04/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> n/a
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Barium	<1.0	D005	100	1.0	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Cadmium	<0.0050	D006	1.0	0.0050	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Chromium	<0.010	D007	5.0	0.010	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Lead	<0.50	D008	5.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Mercury	<0.00020	D009	0.20	0.00020	mg/l	1	10/18/05	10/19/05 JW	SW846 7470A <sup>2</sup>	SW846 7470A <sup>5</sup>
Selenium	<0.50	D010	1.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Silver	<0.010	D011	5.0	0.010	mg/l	1	10/12/05	10/21/05 RP	SW846 6010B <sup>3</sup>	SW846 3010A <sup>4</sup>

(1) Instrument QC Batch: MA16451

(2) Instrument QC Batch: MA16503

(3) Instrument QC Batch: MA16516

(4) Prep QC Batch: MP31789

(5) Prep QC Batch: MP31810

## Report of Analysis

Client Sample ID:	STOCKPILE - 2	Date Sampled:	10/03/05
Lab Sample ID:	J11554-2	Date Received:	10/04/05
Matrix:	SO - Soil	Percent Solids:	n/a
Project:	AGFA-Peerless, Shorham, NY		

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Barium	<1.0	D005	100	1.0	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Cadmium	0.023	D006	1.0	0.0050	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Chromium	<0.010	D007	5.0	0.010	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Lead	<0.50	D008	5.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Mercury	<0.00020	D009	0.20	0.00020	mg/l	1	10/18/05	10/19/05 JW	SW846 7470A <sup>2</sup>	SW846 7470A <sup>5</sup>
Selenium	<0.50	D010	1.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Silver	0.016	D011	5.0	0.010	mg/l	1	10/12/05	10/21/05 RP	SW846 6010B <sup>3</sup>	SW846 3010A <sup>4</sup>

- (1) Instrument QC Batch: MA16451  
(2) Instrument QC Batch: MA16503  
(3) Instrument QC Batch: MA16516  
(4) Prep QC Batch: MP31789  
(5) Prep QC Batch: MP31810

## Report of Analysis

<b>Client Sample ID:</b> STOCKPILE - 3	<b>Date Sampled:</b> 10/03/05
<b>Lab Sample ID:</b> J11554-3	<b>Date Received:</b> 10/04/05
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> n/a
<b>Project:</b> AGFA-Peerless, Shorham, NY	

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Barium	1.3	D005	100	1.0	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Cadmium	0.043	D006	1.0	0.0050	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Chromium	<0.010	D007	5.0	0.010	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Lead	<0.50	D008	5.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Mercury	<0.00020	D009	0.20	0.00020	mg/l	1	10/18/05	10/19/05 JW	SW846 7470A <sup>2</sup>	SW846 7470A <sup>5</sup>
Selenium	<0.50	D010	1.0	0.50	mg/l	1	10/10/05	10/11/05 LH	SW846 6010B <sup>1</sup>	SW846 3010A <sup>4</sup>
Silver	0.013	D011	5.0	0.010	mg/l	1	10/12/05	10/21/05 RP	SW846 6010B <sup>3</sup>	SW846 3010A <sup>4</sup>

(1) Instrument QC Batch: MA16451

(2) Instrument QC Batch: MA16503

(3) Instrument QC Batch: MA16516

(4) Prep QC Batch: MP31789

(5) Prep QC Batch: MP31810

RL = Reporting Limit

MCL = Maximum Contamination Level (40 CFR 261 6/96)

**ACCUTEST LABORATORIES**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**INORGANIC ANALYSIS**

Project No: J11554

Client Name: ATC Assoicateds, Inc.  
AGFA-Peerless, Shorham, NY

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
J11554-1	Leachate	TCLP Metals	04-Oct-05	21-Oct-05
J11554-2	Leachate	TCLP Metals	04-Oct-05	21-Oct-05
J11554-3	Leachate	TCLP Metals	04-Oct-05	21-Oct-05



# CHAIN OF CUSTODY

2235 Route 130, Dayton NJ 08810  
 TEL. 732-329-0200 FAX: 732-329-3499/3480  
 www.accutest.com

FFD-FX Tracking # \_\_\_\_\_ Bottle Order Control # \_\_\_\_\_  
 Accutest Quote # \_\_\_\_\_ Accutest Job # **J11554**

Client / Reporting Information			Project Information										Requested Analysis										Matrix Codes					
Company Name <b>ATC ASSOCIATES, INC</b>			Project Name <b>AFGA- Peerless Photo Site</b>																				DW - Drinking Water					
Address <b>3 Terri Lane</b>			Street <b>S RANDALL RD</b>																				GW - Ground Water					
City State Zip <b>BURLINGTON NJ 08016</b>			City State <b>SHOREHAM NY</b>																				WW - Water					
Project Contact <b>Mike McNally @ATC Associates.com</b>			Project # <b>68.28817.0001</b>																				SW - Surface Water					
Phone # <b>609.386.8800</b>			Fax # <b>609.386.7951</b>																				SO - Soil					
Sampler's Name <b>Nicole Gorbeliak</b>			Client Purchase Order #																				Sl Sludge					
Accutest Sample #	Field ID / Point of Collection	SUMMA #	Collection				Number of preserved Bottles																				OI - Oil	
		MECH Ver #	Date	Time	Sampled By	Matrix	# of bottles	LE	PAH	PCB	P2341	P2342	P2343	PCB	MECH	ENFORCE											LIQ - Other Liquid	
- 1	Stockpile - 1		10/3/05	1300	NG	So	1																					AIR - Air
- 2	Stockpile - 2		10/3/05	1315	NG	So	1																					SOL - Other Solid
- 3	Stockpile - 3		10/3/05	1330	NG	So	1																					WP - Waste

6200  B20  621  622  623  624  625  626  627  628  629  630  
 631  632  633  634  635  636  637  638  639  640  
 641  642  643  644  645  646  647  648  649  650  
 651  652  653  654  655  656  657  658  659  660  
 661  662  663  664  665  666  667  668  669  670  
 671  672  673  674  675  676  677  678  679  680  
 681  682  683  684  685  686  687  688  689  690  
 691  692  693  694  695  696  697  698  699  700  
 701  702  703  704  705  706  707  708  709  710  
 711  712  713  714  715  716  717  718  719  720  
 721  722  723  724  725  726  727  728  729  730  
 731  732  733  734  735  736  737  738  739  740  
 741  742  743  744  745  746  747  748  749  750  
 751  752  753  754  755  756  757  758  759  760  
 761  762  763  764  765  766  767  768  769  770  
 771  772  773  774  775  776  777  778  779  780  
 781  782  783  784  785  786  787  788  789  790  
 791  792  793  794  795  796  797  798  799  800  
 801  802  803  804  805  806  807  808  809  810  
 811  812  813  814  815  816  817  818  819  820  
 821  822  823  824  825  826  827  828  829  830  
 831  832  833  834  835  836  837  838  839  840  
 841  842  843  844  845  846  847  848  849  850  
 851  852  853  854  855  856  857  858  859  860  
 861  862  863  864  865  866  867  868  869  870  
 871  872  873  874  875  876  877  878  879  880  
 881  882  883  884  885  886  887  888  889  890  
 891  892  893  894  895  896  897  898  899  900

**TCLP METALS SW-846**  
**USEPA Method 1311**

LAB USE ONLY  
**ME3**

Turnaround Time (Business Days) \_\_\_\_\_ Data Deliverable Information \_\_\_\_\_ Comments / Remarks \_\_\_\_\_

Std 15 Business Days Approved By: / Date: \_\_\_\_\_  
 10 Day RUSH \_\_\_\_\_  
 5 Day RUSH \_\_\_\_\_  
 3 Day EMERGENCY \_\_\_\_\_  
 2 Day EMERGENCY \_\_\_\_\_  
 1 Day EMERGENCY \_\_\_\_\_  
 Other \_\_\_\_\_

Commercial "A"  FULL CLP  
 Commercial "B"  NYASP Category A  
 NJ Reduced  NYASP Category B  
 NJ Full  State Forms  
 Other \_\_\_\_\_  EDD Format \_\_\_\_\_

Commercial "A" = Results Only

Emergency & Rush TIA data available VIA LabLink

pg 1 of 1

Relinquished by Sampler		Date Time	Received by	Relinquished by		Date Time	Received by
1 <b>ME</b>		10/3/05 1430	<b>F. ed</b>	2 <b>F. ed</b>		10/4/05	<b>M. G. Long</b>
3				4			
5				Custody Seal # <b>None</b>		Preserved where applicable <input type="checkbox"/>	On Ice <input checked="" type="checkbox"/> Cooler Temp <b>3.2°C</b>

**APPENDIX B**

# Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products  
 Project No.: 68.28817.0001  
 Project Manager: M. McNally  
 Laboratory: Accutest

Case No./SDG: J11554  
 Sampling Date(s): 10/3/2005  
 Reviewed By: M. Traxler  
 Completion Date: 3/20/2006

Compound List:  TAL  Appendix IX  Other TCLP  
 Method:  CLP SOW 3/90  SW-846  Other mg/L  
 Matrix:  soil/solid (mg/Kg)  aqueous (ug/L)

The following table indicates the data validation criteria examined, problems identified, and QA action.

Data Validation Criteria:	accept	FYI	qualify	comments
Holding Times	X			Less than 180 days
Calibration Linearity - Furnace, Hg, and CN				NR
Calibration Verification	X			2-point standard
CRDL Standard	X			50 - 150 % R
Calibration Blanks	X			< RL
Preparation Blanks	X			< RL
Field Blank		X		< RL No FB in batch
ICP Interference Check Sample	X			80 - 120 % R
Laboratory Control Sample	X			80 - 120 % R
Matrix Spike Results	X			75 - 125 % R Batch QC
Laboratory Duplicate Results	X			< 20 RPD
ICP Serial Dilution	X			< 10 RPD (or < 50x IDL)
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results		X		< 50 RPD No FD in batch
Sample Result Verification	X			
Other:				

General Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NA - Not applicable  
 NR - Not reviewed

QA Scientist M Traxler Date 3/20/06

# Inorganic Matrix Spike/ Matrix Spike Duplicate Worksheet

ATC

Project Name: Peerless Photo Products  
 Project Number: 68.28817.0001

Case/SDG Number: J11554

Sample Location or Description
Sample Number
Sampling Date
Units

Batch QC	Batch QC	Batch QC
J11061-1	J11061-1MS	J11061-1MSD
10/4/2005	10/4/2005	10/4/2005
mg/L	mg/L	mg/L

	Spike Amount	Sample Result	MS Result	MSD Result	MS %R	Q	MSD %R	Q	RPD	Q
Arsenic	2.0	0.020	2.0	2.0	99.0		99.0		0.0	
Barium	10.0	0.45	10	10	95.5		95.5		0.0	
Cadmium	0.050	0.0051	0.052	0.052	93.8		93.8		0.0	
Chromium	0.20	0.0022	0.19	0.19	93.9		93.9		0.0	
Lead	2.0	0.048	2.0	2.0	97.6		97.6		0.0	
Mercury	0.0020	0.0	0.0021	0.0021	105.0		105.0		0.0	
Selenium	2.0	0.021	2.0	2.0	99.0		99.0		0.0	
Silver	0.050	0.0	0.054	0.054	108.0		108.0		0.0	

Q - Qualifier

\* - Denotes %R or RPD outside criteria



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J11554  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31789  
 Matrix Type: LEACHATE

Methods: SW846 6010B  
 Units: mg/l

Prep Date: 10/04/05

Metal	J11061-1 Original MS		Spikelot MPITCLP1	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.020	2.0	2.0	99.0	75-125
Barium	0.45	10	10.	95.5	75-125
Beryllium					
Cadmium	0.0051	0.052	0.050	93.8	75-125
Calcium					
Chromium	0.0022	0.19	0.20	93.9	75-125
Cobalt					
Copper					
Iron					
Lead	0.048	2.0	2.0	97.6	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Potassium					
Selenium	0.021	2.0	2.0	99.0	75-125
Silicon					
Silver	0.0	0.054	0.050	108.0	75-125
Sodium					
Thallium					
Tin					
Vanadium					
Zinc					

Associated samples MP31789: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J11554  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31789  
 Matrix Type: LEACHATE

Methods: SW846 6010B  
 Units: mg/l

Prep Date: 10/04/05

Metal	J11061-1 Original MSD		Spikelot MPITCLP1 % Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.020	2.0	2.0	99.0	0.0	20
Barium	0.45	10	10.	95.5	0.0	20
Beryllium						
Cadmium	0.0051	0.052	0.050	93.8	0.0	20
Calcium						
Chromium	0.0022	0.19	0.20	93.9	0.0	20
Cobalt						
Copper						
Iron						
Lead	0.048	2.0	2.0	97.6	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Palladium						
Potassium						
Selenium	0.021	2.0	2.0	99.0	0.0	20
Silicon						
Silver	0.0	0.054	0.050	108.0	0.0	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP31789: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: J11554  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31789  
 Matrix Type: LEACHATE

Methods: SW846 6010B  
 Units: mg/l

Prep Date: 10/04/05 10/10/05

Metal	BSP Result	Spikelot MPITCLP1	% Rec	QC Limits	LCS Result	Spikelot MPLCW2	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	2.0	2.0	100.0	80-120	0.47	0.50	94.0	80-120
Barium	9.6	10.	96.0	80-120	0.50	0.50	100.0	80-120
Beryllium								
Boron								
Cadmium	0.048	0.050	96.0	80-120	0.49	0.50	98.0	80-120
Calcium								
Chromium	0.19	0.20	95.0	80-120	0.50	0.50	100.0	80-120
Cobalt								
Copper								
Iron								
Lead	2.0	2.0	100.0	80-120	0.50	0.50	100.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Palladium								
Potassium								
Selenium	2.1	2.0	105.0	80-120	0.46	0.50	92.0	80-120
Silicon								
Silver	0.054	0.050	108.0	80-120				
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP31789: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: J11554  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31789  
 Matrix Type: LEACHATE

Methods: SW846 6010B  
 Units: mg/l

Prep Date: 10/12/05

Metal	LCS Result	Spikelot MPLCW2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	0.46	0.50	92.0	80-120
Barium	0.50	0.50	100.0	80-120
Beryllium				
Boron				
Cadmium	0.50	0.50	100.0	80-120
Calcium				
Chromium	0.51	0.50	102.0	80-120
Cobalt				
Copper				
Iron				
Lead	0.50	0.50	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Potassium				
Selenium	0.43	0.50	86.0	80-120
Silicon				
Silver	0.20	0.20	100.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31789: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: J11554  
 Account: BCMNJ - ATC Associates, Inc.  
 Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31789  
 Matrix Type: LEACHATE

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 10/04/05

Metal	J11061-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	20.0	0.00	100.0 (a)	0-10
Barium	448	480	7.1	0-10
Beryllium				
Cadmium	5.07	5.48	8.1	0-10
Calcium				
Chromium	2.19	0.00	100.0 (a)	0-10
Cobalt				
Copper				
Iron				
Lead	48.3	64.7	34.0 (a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Potassium				
Selenium	21.1	26.9	27.8 (a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

MT 3/20/06  
 Several serial dilutions exceed 10% RPD,  
 However, all results < 50x IDL.

Associated samples MP31789: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J11554  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31810  
Matrix Type: LEACHATE

Methods: SW846 7470A  
Units: mg/l

Prep Date: 10/05/05

Metal	J10992-6 Original MS	Spikelot HGPW2	% Rec	QC Limits	
Mercury	0.0	0.0021	0.0020	105.0	56-137

Associated samples MP31810: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: J11554  
Account: BCMNJ - ATC Associates, Inc.  
Project: AGFA-Peerless, Shorham, NY

QC Batch ID: MP31810  
Matrix Type: LEACHATE

Methods: SW846 7470A  
Units: mg/l

Prep Date: 10/05/05

Metal	J10992-6 Original MSD	Spikelot HGPW2	% Rec	MSD RPD	QC Limit	
Mercury	0.0	0.0021	0.0020	105.0	0.0	22

Associated samples MP31810: J11554-1, J11554-2, J11554-3

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested