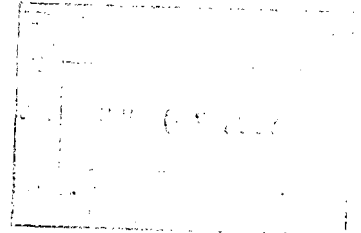




REMEDIAL ACTION REPORT
*(Volume 6: Appendix G -
APC-11)*



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

H2M CASE NO. ATC009

DATA USABILITY SUMMARY REPORT

FOR

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

REPORTED JULY 2006

ATC PROJECT NO. 68.28817.0001

PREPARED BY



**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 April 10 and 11, 2006 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

A handwritten signature in cursive script, reading "Mark Traxler", written over a horizontal line.

Mark Traxler
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY
ORGANICS AND INORGANICS
PEERLESS PHOTO PRODUCTS SITE
APRIL 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 April 10 and 11, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case 0604424 included a total of six (6) soil 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 H2M Laboratories (H2M), Melville, New York following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 8260C, 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 0604424 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 H2M 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, delivered under a chain of custody record on April 10 and 11, 2006, and received at H2M on April 11, 2006. All samples were received intact and in good condition at H2M.

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 0604424 VOCs results be used with the following qualifiers:

1. No MS and MSD spikes were analyzed on site-specific samples. A lab-fortified blank (LFB) was analyzed as an LCS and the spike recoveries were documented on the data summary sheet. All recoveries were within the QC limits, with the exception of a high recovery for bromoform. The analyte was not present in the samples and no data were qualified.
2. Methylene chloride was detected in the method blank at 4 micrograms per kilogram (4 µg/kg), with a reporting limit of 10 µg/kg. The laboratory reported all methylene chloride results with "BJ" qualifiers to indicate that the analyte was detected in the blank and that the values were less than the reporting limit. Since there were no positive results, all methylene chloride results were qualified in this DUSR as undetected at the reporting limit (U).
3. There were no field blank or field duplicate samples associated with this batch. No data were qualified due to field blank or field duplicate 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 0604424 SVOCs results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRDL were flagged by the laboratory with a “B”. 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. A lab-fortified blank was analyzed. All recoveries were within the QC limits with the exception of a high recovery for 2,4-dinitrophenol of 105%. The analyte was not present in the samples and no data were affected.
3. There were no field blank or field duplicate samples associated with this batch. No data were qualified due to field blank or field duplicate results.

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 0604424 TCL organochlorine pesticides results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRDL were flagged by the laboratory with a "B". Since these values were less than the CRDL, the results were qualified as estimated (J).
2. All results that had greater than 25 percent difference ($>25\%D$) between the two GC columns were reported on Form I with the lower of the two results and flagged by the laboratory with a "P" to indicate an estimated value. Since the single component pesticide results were $25.0\% < \%D < 100\%$, the results were qualified as estimated (J).
3. No MS and MSD sample spikes were analyzed on site-specific samples. A lab-fortified blank was analyzed. All recoveries were within the QC limits.
4. There were no field blank or field duplicate samples associated with this batch. No data were qualified due to field blank or field duplicate results.
5. One (1) surrogate compound in sample APC11-SR-08 and two (2) surrogate compounds in sample APC11-SR-11 exceeded the advisory QC limits on one analytical column. No data were qualified due to these surrogate recovery outliers.
6. Percent difference ($\%D$) for 4,4'-DDT and methoxychlor did not meet the acceptance limits in the continuing calibration verification (CCV) checks. Samples were reanalyzed twice after remedial action was taken. 4,4'-DDT continued to show low responses and methoxychlor just met the acceptance criteria of $\pm 20\%$. Due to the poor continuing calibrations, 4,4'-DDT results are qualified as estimated (J) and the non-detected results are qualified as undetected at an estimated detection limit (UJ).
7. Peaks for alpha-BHC were detected within the retention time (RT) windows specified in the protocol, and therefore the results were reported as alpha-BHC. However, the laboratory questioned the validity of this identity due to their internal RT windows study, which indicates that these

peaks were interferences. A review of the data was conducted by this data validator. Since the peaks were in the middle of the RT windows and the calculated results from the two columns agreed with each other within reason, it is appropriate to conclude that the alpha-BHC results were accurately reported. No results for alpha-BHC were qualified.

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 0604424 TCL PCBs results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRDL were flagged by the laboratory with a "B". Since these values were less than the CRDL, the results were qualified as estimated (J).
2. All results that had greater than 25 percent difference (>25%D) between the two GC columns were reported on Form I with the lower of the two results and flagged by the laboratory with a "P" to indicate an estimated value. Since the multi-component results were $25.0\% < \%D < 500\%$, the results were qualified as estimated (J).
3. No MS and MSD sample spikes were analyzed on site-specific samples. A lab-fortified blank was analyzed. All recoveries were within the QC limits.
4. There were no field blank or field duplicate samples associated with this batch. No data were qualified due to field blank or field duplicate results.

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) recoveries
- Matrix duplicate (MD) precision
- Field duplicate precision
- Laboratory control sample recoveries
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits

It is recommended that Case 0604424 TAL Metals and Cyanide results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRQL were flagged by the laboratory with a "B". Since these values were less than the CRQL, the results were qualified as estimated (J).
2. There were no field blank or field duplicate samples associated with this batch. No data were qualified due to field blank or field duplicate results.
3. The MD relative percent difference (RPD) for Al, Ba, Ca, Co, Cr, Cu, Fe, Pb, Mg, Mn, Se, Na, Ag and V exceeded the method requirements of 20%. The Al, Cr, Cu, Fe, Pb, Mn, Ni and Ag results were greater than five times (>5X) the CRQL, and the associated data were reported flagged "*" on forms 1 and 6 by the laboratory.
4. The MD RPD for Al, Cr, Cu, Fe, Pb, Mn, Ni and Ag exceeded the method requirements of 20%, but not the project Data Quality Objective (DQO) of 35%. Therefore, no qualification of the Al, Cr, Cu, Fe, Pb, Mn, Ni and Ag results were made due to the MD.
5. The MD RPD for Se and Na exceeded the method requirements of 20% and the project DQO of 35% (52.9 and 52.3%, respectively). However, the results were less than five times (<5X) the CRQL. Therefore, no qualification of Se and Na results were made due to the MD.

6. The MD RPD for Ba, Ca, Co, Mg, Ni, K and V exceeded the method requirements of 20%, but not the project DQO of 35%. However, the results were less than five times (<5X) the CRQL. Therefore, no qualification of Ba, Ca, Co, Mg, Ni, K and V results were made due to the MD.
7. The MS percent recovery for Ag and Fe exceeded the control limits of 75-125% (873.7 and 1295%, respectively). The spike recovery indicates possible matrix interference or sample non-homogeneity. However, the sample concentrations exceeded four times (4X) the spike amount, rendering the spike values unusable. No post spikes were necessary and no qualification of Ag and Fe results were made due to the MS recovery.
8. The MS percent recovery for Sb, Pb and Se exceeded the control limits of 75-125% (44.4, 147.4 and 51.1%, respectively). The spike recoveries indicate possible matrix interferences or sample non-homogeneity. The sample was post spiked and reanalyzed for these compounds, recovering at 91.5, 106.9 and 55.2%, respectively. Sb, Pb and Se data were reported flagged "N" on forms 1 and 5A by the laboratory. Post spike recoveries for Sb and Pb were within the acceptance limits. All associated Se results were qualified as estimated (J).
9. The ICP serial dilution exceeded the control limit of 10% difference (100%, 100 and 100%) for As, Se and Na on sample APC11-SR-08. However, since the original values of As, Se and Na were less than 50 times the IDL, the ICP serial dilution for As, Se and Na were acceptable. No qualification of data was deemed necessary due to the ICP serial dilution results.
10. The ICP serial dilution exceeded the control limit of 10% difference (11.9%) for silver on sample APC11-SR-08. Silver data was reported flagged "E" on forms 1 and 9 by the laboratory. All associated silver results are qualified as estimated (J).

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 continuing calibrations for 4,4'-DDT, low selenium MS results, and poor silver serial dilution 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	Laboratory	H2M
Project Number	68.28817.0001	Case/Order #	0604424
Sampling Date(s)	4/10, 11/2006	Fraction/Method	CLP Volatiles

Sample Description or Location	APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB041206	
Sample Number	0604424-001A	0604424-002A	0604424-003A	0604424-004A	0604424-005A	0604424-006A	-	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	-	
% Solids	89.8	91.1	90.2	91.0	89.4	88.9	-	
Dilution Factor	1	1	1	1	1	1	1	
Sampling Date	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/11/2006	4/11/2006	-	
CRQL	Comments							
10	chloromethane	U	U	U	U	U	89%	
10	bromomethane	U	U	U	U	U	92%	
10	vinyl chloride	U	U	U	U	U	91%	
10	chloroethane	U	U	U	U	U	94%	
10	methylene chloride	10 BJ	5 BJ	9 BJ	9 BJ	5 BJ	6 BJ	97%
10	acetone	U	U	U	U	U	U	106%
10	carbon disulfide	U	U	U	U	U	U	100%
10	1,1-dichloroethene	U	U	U	U	U	U	102%
10	1,1-dichloroethane	U	U	U	U	U	U	101%
10	1,2-dichloroethene (total)	U	U	U	U	U	U	106%
10	chloroform	U	U	U	U	U	U	104%
10	1,2-dichloroethane	U	U	U	U	U	U	106%
10	2-butanone	U	U	U	U	U	U	111%
10	1,1,1-trichloroethane	U	U	U	U	U	U	102%
10	carbon tetrachloride	U	U	U	U	U	U	103%
10	bromodichloromethane	U	U	U	U	U	U	108%
10	1,2-dichloropropane	U	U	U	U	U	U	106%
10	cis-1,3-dichloropropene	U	U	U	U	U	U	115%
10	trichloroethene	U	U	U	U	U	U	110%
10	dibromochloromethane	U	U	U	U	U	U	114%
10	1,1,2-trichloroethane	U	U	U	U	U	U	116%
10	benzene	U	U	U	U	U	U	99%
10	trans-1,3-dichloropropene	U	U	U	U	U	U	117%
10	bromoform	U	U	U	U	U	U	145% *

DATA SUMMARY - TCL VOLATILE ORGANIC COMPOUNDS

Site Name	Peerless Photo Products	Laboratory	H2M
Project Number	68.28817.0001	Case/Order #	0604424
Sampling Date(s)	4/10, 11/2006	Fraction/Method	CLP Volatiles
	Soil samples in ug/kg		
	Aqueous samples in ug/L		

Sample Description or Location	APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB041206	
Sample Number	0604424-001A	0604424-002A	0604424-003A	0604424-004A	0604424-005A	0604424-006A	-	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	-	
% Solids	89.8	91.1	90.2	91.0	89.4	88.9	-	
10 4-methyl-2-pentanone	U	U	U	U	U	U	89%	
10 2-hexanone	U	U	U	U	U	U	117%	
10 tetrachloroethene	U	U	U	U	U	U	93%	
10 1,1,2,2-tetrachloroethane	U	U	U	U	U	U	118%	
10 toluene	U	U	U	U	U	U	86%	
10 chlorobenzene	U	U	U	U	U	U	107%	
10 ethylbenzene	U	U	U	U	U	U	102%	
10 styrene	U	U	U	U	U	U	119%	
10 xylenes (total)	U	U	U	U	U	U	115%	
Surrogate Recovery, %								
1,2-dichloroethane-d4	100	98	98	100	98	99	101	
toluene-d8	95	84	98	94	84	82	83	
4-bromofluorobenzene	100	115	102	98	122	118	119	

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	Laboratory	H2M
Project Number	68.28817.0001	Case/Order #	0604424
Sampling Date(s)	4/10, 11/2006	Fraction/Method	CLP Semivolatiles

Soil samples in ug/kg

Aqueous samples in ug/L

Sample Description or Location		APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB16641			
Sample Number		0604424-001A	0604424-002A	0604424-003A	0604424-004A	0604424-005A	0604424-006A	-			
Matrix		Soil	Soil	Soil	Soil	Soil	Soil	-			
Percent Solids		89.8	91.1	90.2	91.0	89.4	88.9	-			
Dilution Factor		1	1	1	1	1	1	1			
Sampling Date		4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/11/2006	4/11/2006	-			
Comments											
10	170	bis(2-chloroisopropyl)ether	U	U	U	U	U	101%			
10	170	1,2-dichlorobenzene	U	U	U	U	U	95%			
10	170	1,3-dichlorobenzene	U	U	U	U	U	96%			
10	170	1,4-dichlorobenzene	U	U	U	U	U	98%			
10	170	phenol	U	U	U	U	U	84%			
10	170	bis(2-chloroethyl)ether	U	U	U	U	U	104%			
10	170	2-chlorophenol	U	U	U	U	U	97%			
10	170	2-methylphenol	U	U	U	U	U	102%			
10	170	4-methylphenol	U	U	U	U	U	99%			
10	170	N-nitroso-di-n-propylamine	U	U	U	U	U	93%			
10	170	hexachloroethane	U	U	U	U	U	97%			
10	170	nitrobenzene	U	U	U	U	U	97%			
10	170	isophorone	U	U	U	U	U	85%			
10	170	2-nitrophenol	U	U	U	U	U	100%			
10	170	2,4-dimethylphenol	U	U	U	U	U	92%			
10	170	bis(2-chloroethoxy)methane	U	U	U	U	U	110%			
10	170	2,4-dichlorophenol	U	U	U	U	U	98%			
10	170	1,2,4-trichlorobenzene	U	U	U	U	U	103%			
10	170	naphthalene	U	U	U	420	U	540	103%		
10	170	4-chloroaniline	U	U	U	U	U	82%			

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**
 Project Number **68.28817.0001**
 Sampling Date(s) **4/10, 11/2006**

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

Laboratory **H2M**
 Case/Order # **0604424**
 Fraction/Method **CLP Semivolatiles**

Sample Description or Location		APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB16641			
Sample Number		0604424-001A	0604424-002A	0604424-003A	0604424-004A	0604424-005A	0604424-006A	-			
10	170	hexachlorobutadiene	U	U	U	U	U	103%			
10	170	4-chloro-3-methylphenol	U	U	U	U	U	93%			
10	170	2-methylnaphthalene	U	U	U	240	U	330	99%		
10	170	hexachlorocyclopentadiene	U	U	U	U	U	U	78%		
10	170	2,4,6-trichlorophenol	U	U	U	U	U	U	89%		
25	420	2,4,5-trichlorophenol	U	U	U	U	U	U	113%		
10	170	2-chloronaphthalene	U	U	U	U	U	U	106%		
25	420	2-nitroaniline	U	U	U	U	U	U	100%		
10	170	dimethyl phthalate	U	U	U	U	U	U	102%		
10	170	acenaphthylene	U	U	U	U	U	U	95%		
10	170	2,6-dinitrotoluene	U	U	U	U	U	U	98%		
25	420	3-nitroaniline	U	U	U	U	U	U	84%		
10	170	acenaphthene	U	U	U	280	U	260	102%		
25	420	2,4-dinitrophenol	U	U	U	U	U	U	105%		
25	420	4-nitrophenol	U	U	U	U	U	U	98%		
10	170	dibenzofuran	U	U	U	U	U	U	100%		
10	170	2,4-dinitrotoluene	U	U	U	U	U	U	97%		
10	170	diethyl phthalate	U	330	79 J	J	U	440	97%		
10	170	4-chlorophenyl-phenyl ether	U	U	U	U	U	U	102%		
10	170	fluorene	U	U	U	160 J	J	U	110 J	J	104%
25	420	4-nitroaniline	U	U	U	U	U	U	89%		

DATA SUMMARY - TCL SEMIVOLATILE ORGANIC COMPOUNDS

Site Name **Peerless Photo Products**
 Project Number **68.28817.0001**
 Sampling Date(s) **4/10, 11/2006**

Laboratory **H2M**
 Case/Order # **0604424**
 Fraction/Method **CLP Semivolatiles**

Soil samples in ug/kg

Aqueous samples in ug/L

Sample Description or Location		APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB16641			
Sample Number		0604424-001A	0604424-002A	0604424-003A	0604424-004A	0604424-005A	0604424-006A	-			
25	420	4,6-dinitro-2-methylphenol	U	U	U	U	U	94%			
10	170	n-nitrosodiphenylamine	U	U	U	U	U	93%			
10	170	4-bromophenyl-phenyl ether	U	U	U	U	U	107%			
10	170	hexachlorobenzene	U	U	U	U	U	104%			
25	170	pentachlorophenol	U	U	U	U	U	119%			
10	420	phenanthrene	U	U	130 J	510	140 J	310	116%		
10	170	anthracene	U	U	U	110 J	U	U	104%		
10	170	carbazole	U	U	U	U	U	U	107%		
10	170	di-n-butyl phthalate	U	U	U	U	U	U	105%		
10	170	fluoranthene	U	U	120 J	140 J	190	130 J	104%		
10	170	pyrene	U	U	100 J	150 J	160 J	140 J	104%		
10	170	butyl benzyl phthalate	U	U	U	U	U	U	110%		
10	170	3,3'-dichlorobenzidine	U	U	U	U	U	U	26%		
10	170	benzo(a)anthracene	U	U	U	U	100 J	U	100%		
10	170	chrysene	U	U	U	75 J	140 J	82 J	104%		
10	170	bis(2-ethylhexyl) phthalate	U	U	U	76 J	120 J	120 J	118%		
10	170	di-n-octyl phthalate	U	U	U	U	U	U	99%		
10	170	benzo(b)fluoranthene	U	U	U	U	160 J	U	101%		
10	170	benzo(k)fluoranthene	U	U	U	U	U	U	90%		
10	170	benzo(a)pyrene	U	U	U	U	U	U	97%		
10	170	indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	97%		
10	170	dibenz(a,h)anthracene	U	U	U	U	U	U	97%		
10	170	benzo(g,h,i)-perylene	U	U	U	U	U	U	97%		
Surrogate Recovery, %											
		nitrobenzene-d5	78	84	77	79	80	79			
		2-fluorobiphenyl	86	88	86	86	86	85			
		4-terphenyl-d14	73	76	76	78	79	80			
		phenol-d5	91	94	90	91	91	91			
		2-fluorophenol	85	90	83	86	85	86			
		2,4,6-tribromophenol	103	109	108	108	108	108			
		2-chlorophenol-d4	91	93	88	90	90	90			
		1,2-dichlorobenzene-d4	69	80	67	72	72	72			

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

page 1

Site Name Peerless Photo Products
 Project Number 68.28817.0001
 Sampling Date(s) 4/10, 11/2006

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

Laboratory H2M
 Case/Order # 0604424
 Fraction/Method CLP Pesticides

Sample Description or Location	APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB16642	
Sample Number	0604424-001B	0604424-002B	0604424-003B	0604424-004B	0604424-005B	0604424-006B	-	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	-	
Percent Solids	89.8	91.1	90.2	91.0	89.4	88.9	-	
Dilution Factor	1	1	1	1	1	1	1	
Sampling Date	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/11/2006	4/11/2006	-	
RL Comments								
1.7 aldrin	U	U	U	U	U	U	107%	
1.7 alpha-BHC	2.6	2.2	2.9	4.5	2.5 P	U	105%	
1.7 beta-BHC	U	U	U	U	U	U	96%	
1.7 delta-BHC	U	U	U	U	U	U	104%	
1.7 gamma-BHC (Lindane)	U	U	U	U	U	U	106%	
1.7 alpha-chlordane	U	U	U	U	U	U	105%	
1.7 gamma-chlordane	2.5 P	J 1.8 J	J 2.8 P	U	2.5	U	103%	
3.3 dieldrin	2.5 J	J	U	U	U	1.9 J	J 97%	
3.3 4,4'-DDD	U	U	5.1 P	J 5.0 P	J 4.2 P	J 6.3 P	J 97%	
3.3 4,4'-DDE	4.9	2.5 J	J 3.9 P	J 11	5.6	8.4	99%	
3.3 4,4'-DDT	12	6.7	11 P	J 28	18	26	100%	
3.3 endrin	U	U	U	4.8 P	J	U	U 112%	
3.3 endosulfan sulfate	U	U	U	U	U	U	U 101%	
3.3 endrin aldehyde	U	U	U	U	U	U	U 112%	
1.7 endosulfan-I	U	U	U	U	U	U	U 94%	
3.3 endosulfan-II	U	U	U	U	U	U	U 99%	
1.7 heptachlor	U	U	U	U	U	U	U 99%	
1.7 heptachlor epoxide	U	U	U	U	U	U	U 104%	
1.7 methoxychlor	U	U	U	U	U	U	U 98%	
3.3 endrin ketone	U	U	U	U	U	U	U 104%	
170 toxaphene	U	U	U	U	U	U	-	
Surrogate Recovery, %								
tetrachloro-m-xylene	96	101	92	102	97	96	109	
tetrachloro-p-xylene	154	139	118	157	133	130	113	
decachlorobiphenyl	94	88	78	98	95	95	108	
decachlorobiphenyl	132	119	110	165	139	137	110	

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	H2M
Project Number	68.28817.0001	Case/Order #	0604424
Sampling Date(s)	4/10, 11/2006	Fraction/Method	CLP PCBs
	Soil samples in ug/kg		
	Aqueous samples in ug/L		

Sample Description or Location	APC11-SR-08	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13	LFB16642	
Sample Number	0604424-001B	0604424-002B	0604424-003B	0604424-004B	0604424-005B	0604424-006B	-	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	-	
Percent Solids	89.8	91.1	90.2	91.0	89.4	88.9	-	
Dilution Factor	1	1	1	1	1	1	1	
Sampling Date	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/11/2006	4/11/2006	-	
RL Comments								
33 Aroclor 1016	U	U	U	U	U	U	104%	
67 Aroclor 1221	U	U	U	U	U	U	-	
33 Aroclor 1232	U	U	U	U	U	U	-	
33 Aroclor 1242	U	U	U	U	U	U	-	
33 Aroclor 1248	U	U	U	U	U	U	-	
33 Aroclor 1254	U	U	29 J	J	24 J	J	-	
33 Aroclor 1260	U	U	130 P	J	43 P	J	72	103%
Surrogate Recovery, %								
tetrachloro-m-xylene	98	101	92	102	97	96	109	
tetrachloro-m-xylene	154	139	118	157	133	130	113	
decachlorobiphenyl	94	88	78	98	95	95	108	
decachlorobiphenyl	132	119	110	165	139	137	110	

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

page 1

Site Name	Peerless Photo Products	Soil in mg/kg	Laboratory	H2M
Project Number	68.28817.0001	Case/Order #	0604424	
Sampling Date(s)	4/10, 11/2006	Fraction/Method	TAL Metals - SW-846 3010A/6010B	

Sample Location or Description		APC11-SR-08	APC11-SR-08D	APC11-SR-08S	APC11-SR-09	APC11-SR-10	APC11-SR-11	APC11-SR-12	APC11-SR-13		
Sample Number		0604424-001	0604424-001D	0604424-001S	0604424-002	0604424-003	0604424-004	0604424-005	0604424-006		
Sampling Date		4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/11/2006	4/11/2006		
IDL/CRQL	P Hg										
20	Aluminum	X	5,120 *	7,270 *	-	6,190 *	5,580 *	4,520 *	5,720 *	5,180 *	
6.0	Antimony	X	0.32 UN UJ	0.32 UN UJ	44.4% *	0.32 UN UJ	0.32 UN UJ	0.32 UN UJ	0.33 UN UJ	0.33 UN UJ	
1.0	Arsenic	X	1.3	1.4	86.7%	1.4	1.1	2.0	1.3	1.3	
20	Barium	X	10.9 B J	14.6 B J	95.5%	12.7 B J	14.7 B J	26.7	25.6	157	
0.50	Beryllium	X	0.20 B J	0.24 B J	92.1%	0.22 B J	0.19 B J	0.15 B J	0.19 B J	0.19 B J	
0.50	Cadmium	X		U	87.0%		U	0.30 B J	0.11 B J	0.49 B J	
500	Calcium	X	178 B J	220 B J	-	169 B J	222 B J	193 B J	301 B J	308 B J	
1.0	Chromium	X	6.0 *	8.1 *	96.8%	9.4 *	8.8 *	9.6 *	8.8 *	12.9 *	
5	Cobalt	X	1.2 B J	1.7 B J	90.2%	1.4 B J	1.4 B J	1.4 B J	1.4 B J	1.5 B J	
2.5	Copper	X	8.7 *	12.4 *	105.1%	9.8 *	18.7 *	20.3 *	20.5 *	30.0 *	
10	Iron	X	5,630 *	8,000 *	1295% *	8,030 *	6,250 *	5,180 *	5,930 *	6,050 *	
0.3	Lead	X	8.1 N* J	11.0 * J	147.4% *	8.1 N* J	10.5 N* J	18.9 N* J	14.8 N* J	25.8 N* J	
500	Magnesium	X	464 B J	643	-	583	646	652	700	700	
1.5	Manganese	X	33.1 *	41.2 *	96.5%	34.6 *	34.1 *	31.1 *	34.4 *	38.7 *	
0.02	Mercury	X	0.072	0.063	93.1%	0.055	0.092	0.099	0.074	0.083	
4.0	Nickel	X	2.5 B J	3.3 B J	90.8%	3.2 B J	3.1 B J	2.9 B J	3.3 B J	3.5 B J	
500	Potassium	X	173 B J	223 B J	-	195 B J	229 B J	249 B J	271 B J	264 B J	
0.50	Selenium	X	0.47 BN J	0.27 B J	51.1% *	0.21 UN UJ	0.22 BN J	0.27 BN J	0.26 BN J	0.39 BN J	
1.0	Silver	X	31.5 *E J	41.8 * J	873.7% *	50.2 *E J	57.2 *E J	47.2 *E J	32.6 *E J	36.4 *E J	
500	Sodium	X	9.8 B J	16.7 B	-	6.2 B J	8.0 B J	9.2 B J	13.9 B J	13.3 B J	
1.0	Thallium	X		U	88.2%		U		U	U	
5.0	Vanadium	X	8.9	12.2	93.4%	11.8	10.5	9.8	11.0	10.8	
2.0	Zinc	X	14.1	15.3	94.0%	15.6	14.0	15.1	19.5	29.2	
1.0	Cyanide			U	113.6%		U		U	U	

APPENDIX A

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLES RECEIVED: 4/11/06
SDG #: ATC009

For Samples:

APC11-SR-08	APC11-SR-11
APC11-SR-09	APC11-SR-12
APC11-SR-10	APC11-SR-13

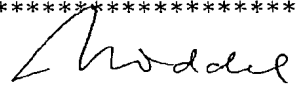
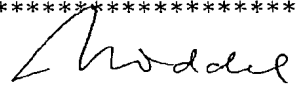
The above soil samples were analyzed by EPA method 8260C for a specified list of volatile organic analytes in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method. The following should be noted:

- No MS/MSD sample spikes were requested, but a lab-fortified blank (LFB) was analyzed. All recoveries were within the QC limits with the exception of a high recovery for bromoform. The analyte was not present in the samples, and no data are affected.
- TIC compounds, identified as siloxanes, that are suspected to be column bleed introduced by the analytical system, were flagged with the qualifier "X".

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: April 18, 2006

*  *
*  *

Ursula Middel
Technical Manager

H2M LABS, INC.

SDG NARRATIVE FOR SEMIVOLATILES ANALYSIS SAMPLES RECEIVED: 4/11/06 SDG #: ATC009

For Samples:

APC11-SR-08	APC11-SR-11
APC11-SR-09	APC11-SR-12
APC11-SR-10	APC11-SR-13

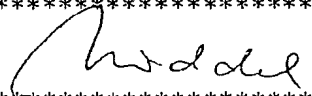
The above soil samples were analyzed by EPA method 8270C for the TCL list of semivolatile organic analytes in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method.

No MS/MSD sample spikes were requested, but a lab-fortified blank (LFB) was analyzed. All recoveries were within the QC limits with the exception of a high recovery for 2,4-dinitrophenol of 105%. The analyte was not present in the samples, and no data are affected.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: April 18, 2006

*  *
*

Ursula Middel
Technical Manager

H2M LABS, INC.

SDG NARRATIVE FOR PESTICIDES / PCB ANALYSES SAMPLES RECEIVED: 4/11/06 SDG #: ATC009

For Samples:

APC11-SR-08	APC11-SR-11
APC11-SR-09	APC11-SR-12
APC11-SR-10	APC11-SR-13

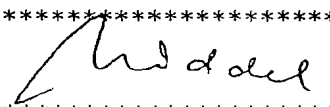
The above water samples were analyzed for PCBs by method 608.

All QC data and calibrations met the requirements of the method unless discussed below. The following should be noted:

- No matrix spike / matrix spike duplicate was submitted. Lab-fortified blanks were analyzed and indicate good method efficiency.
- One, and respectively two, surrogate compound recoveries exceeded the advisory QC limits in samples APC11-SR-08 and APC11-SR-11 on one analytical column.
- %D for 4,4'-DDT and methoxychlor did not meet acceptance limits in the continuous calibration checks (CCV) on both analytical columns after the samples were analyzed. The samples were reanalyzed twice in new sequences after remedial action was taken. The system performance check again showed low 4,4'-DDT responses after the samples were injected. This indicates that the breakdown of the analytes was caused by the sample matrix. The analyses from the third sequence are reported. In this sequence the calibration checks for methoxychlor just met acceptance criteria (-20%). The results reported for 4,4'-DDT are regarded estimated due to the CCV deviations.
- Peaks for alpha BHC were found in the samples that elute within the RT windows specified in the protocol, and alpha BHC was therefore reported. It is, however, suspected that the peaks are interferences, because they elute outside the (narrower) retention time windows established by RT studies for the instrument used.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 1, 2006

*  *
*

Ursula Middel
Technical Manager

ATC009 S 22

H2M LABS, INC.

SDG NARRATIVE FOR METALS SAMPLES RECEIVED: 4/11/06 SDG #: ATC009

Page 1 of 2

For Samples:

APC11-SR-08 MS/MSD	APC11-SR-11
APC11-SR-09	APC11-SR-12
APC11-SR-10	APC11-SR-13

The above soil samples were received by H2M Labs, Inc. on 4/7/06 for analysis of the TCL list of metals.

Samples were prepared and analyzed using EPA method 6010B with a TJA61E trace ICP instrument.

Sample APC11-SR-08 was utilized for QC analysis and reporting for ICP and mercury analysis. QC checks for cyanide were performed for sample APC11-SR-13. The following parameters did not meet the acceptance limits:

- Spike analysis did not recover within 75-125% for silver and iron. Since the sample value was greater than four times the spike concentration, post spikes and data qualifiers were not required.
- The sample spike recoveries for antimony, lead, and selenium were outside the QC limits. Data for these analytes are flagged with the "N" qualifier on Forms 1 and 5A.
- The post spike recoveries were within the acceptance limits for antimony and lead, but below QC limit for selenium.
- The RPDs for the duplicates exceeded 20% for most metals. It is assumed that this is not instrument related but probably the result of un-homogeneous matrix. Data for all metals that had a concentration exceeding 5x CRQL were qualified with "*" on Forms 1 and 6.
- In the serial dilution analysis of the sample, %D for silver exceeded the acceptance range, and all results for this analyte were flagged with the qualifier "E" on Forms 1 and 9.

No other problems were noted during the analysis of this sample group.

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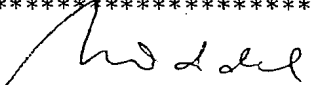
H2M LABS, INC.

SDG NARRATIVE FOR METALS
SAMPLES RECEIVED: 4/11/06
SDG #: ATC009

Page 2 of 2

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: April 26, 2006

*  *

Ursula Middel
Technical Manager

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: ATC009

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	GCSEMI	ME	MSSEMI	MSVOA	WC
APC11-SR-08	0604424-001	X	X	X	X	X
APC11-SR-09	0604424-002	X	X	X	X	X
APC11-SR-10	0604424-003	X	X	X	X	X
APC11-SR-11	0604424-004	X	X	X	X	X
APC11-SR-12	0604424-005	X	X	X	X	X
APC11-SR-13	0604424-006	X	X	X	X	X

CLP, (Non-CLP) Please indicate year of protocol) ASF B 10195
TCL/TAL, HSL, Priority Pollutant,

jsw 5/11/06

ATC009 S 3

H2M LABS, INC.

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300 \text{ U})}{D} \times \text{df where } D = \frac{100\% \text{ moisture}}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100 - 24}{100} = 0.76$$

$$\frac{(300 \text{ U})}{.76} \times 10 = 4300 \text{ U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS.. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

H2M LABS, INC.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 ug/L or the peak representing the two coeluting isomers on that GC column exceed 400 ug/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 ug/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - This flag indicates suspected column bleed.

Y - This flag denotes concentration of tentatively identified compounds (TICs) to be biased low due to matrix interference with internal standard.

Z - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

H2M LABS, INC.

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

- E - The reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.
- M - Duplicate injection precision not met.
- N - Matrix spike sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

- B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

- P - Analyzed by ICP.
- M - Analyzed by ICP-MS
- A - Analyzed by Flame AA.
- F - Analyzed by Furnace AA.
- CV - Analyzed by Manual Cold Vapor techniques.
- AV - Analyzed by Automated Cold Vapor techniques.
- C - Analyzed by Manual Spectrophotometric Method.
- CA- Analyzed by Midi-distillation Spectrophotometric Method.
- NR - Analyte not Required.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-001A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31323.D

Level: (low/med)

LOW

Date Received: 04/11/06

% Moisture: not dec.

10.2

Date Analyzed: 04/12/06

GC Column: R-502.2

ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/kg) UG/KG	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	11	U
75-09-2	Methylene chloride	10	BJ
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID:

0604424-001ASample wt/vol: 5(g/mL) G

Lab File ID:

6\P31323.D

Level: (low/med)

LOW

Date Received:

04/11/06

% Moisture: not dec.

10.2

Date Analyzed:

04/12/06GC Column: R-502.2ID: .53 (mm)

Dilution Factor:

1.00

Soil Extract Volume:

(μl)

Soil Aliquot Volume:

0

(μL)

CONCENTRATION UNITS:

Number TICs found:

2

(μg/L or μg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000541-05-9	Cyclotrisiloxane, hexamethyl-	11.41	17	BJNX
2. 000556-67-2	Cyclotetrasiloxane, octamethyl-	14.46	17	BJNX

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water) SOIL

Lab Sample ID: 0604424-001B

Sample wt/vol: 15 (g/mL) G

Lab File ID: 6\N14908.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: 10.2 Decanted: (Y/N) N

Date Extracted: 04/12/06

Concentrated Extract Volume: 1000 (μL)

Date Analyzed: 04/13/06

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
108-95-2	Phenol	190		U
111-44-4	Bis(2-chloroethyl) ether	190		U
95-57-8	2-Chlorophenol	190		U
541-73-1	1,3-Dichlorobenzene	190		U
106-46-7	1,4-Dichlorobenzene	190		U
95-50-1	1,2-Dichlorobenzene	190		U
95-48-7	2-Methylphenol	190		U
108-60-1	2,2'-oxybis(1-Chloropropane)	190		U
106-44-5	4-Methylphenol	190		U
621-64-7	N-Nitroso-di-n-propylamine	190		U
67-72-1	Hexachloroethane	190		U
98-95-3	Nitrobenzene	190		U
78-59-1	Isophorone	190		U
88-75-5	2-Nitrophenol	190		U
105-67-9	2,4-Dimethylphenol	190		U
111-91-1	bis(2-Chloroethoxy)methane	190		U
120-83-2	2,4-Dichlorophenol	190		U
120-82-1	1,2,4-Trichlorobenzene	190		U
91-20-3	Naphthalene	190		U
106-47-8	4-Chloroaniline	190		U
87-68-3	Hexachlorobutadiene	190		U
59-50-7	4-Chloro-3-methylphenol	190		U
91-57-6	2-Methylnaphthalene	190		U
77-47-4	Hexachlorocyclopentadiene	190		U
88-06-2	2,4,6-Trichlorophenol	190		U
95-95-4	2,4,5-Trichlorophenol	470		U
91-58-7	2-Chloronaphthalene	190		U
88-74-4	2-Nitroaniline	470		U
131-11-3	Dimethylphthalate	190		U
208-96-8	Acenaphthylene	190		U
606-20-2	2,6-Dinitrotoluene	190		U
99-09-2	3-Nitroaniline	470		U
83-32-9	Acenaphthene	190		U
51-28-5	2,4-Dinitrophenol	470		U
100-02-7	4-Nitrophenol	470		U
132-64-9	Dibenzofuran	190		U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-001BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14908.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 10.2 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	190		U
84-66-2	Diethylphthalate	190		U
7005-72-3	4-Chlorophenyl-phenylether	190		U
86-73-7	Fluorene	190		U
100-01-6	4-Nitroaniline	470		U
534-52-1	4,6-Dinitro-2-methylphenol	470		U
86-30-6	N-Nitrosodiphenylamine	190		U
101-55-3	4-Bromophenyl-phenylether	190		U
118-74-1	Hexachlorobenzene	190		U
87-86-5	Pentachlorophenol	470		U
85-01-8	Phenanthrene	190		U
120-12-7	Anthracene	190		U
86-74-8	Carbazole	190		U
84-74-2	Di-n-butyl phthalate	190		U
206-44-0	Fluoranthene	190		U
129-00-0	Pyrene	190		U
85-68-7	Butyl benzyl phthalate	190		U
91-94-1	3,3'-Dichlorobenzidine	190		U
56-55-3	Benzo(a)anthracene	190		U
218-01-9	Chrysene	190		U
117-81-7	bis(2-Ethylhexyl)phthalate	190		U
117-84-0	Di-n-octyl phthalate	190		U
205-99-2	Benzo(b)fluoranthene	190		U
207-08-9	Benzo(k)fluoranthene	190		U
50-32-8	Benzo(a)pyrene	190		U
193-39-5	Indeno(1,2,3-cd)pyrene	190		U
53-70-3	Dibenzo(a,h)anthracene	190		U
191-24-2	Benzo(g,h,i)perylene	190		U

(1) Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-08

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Matrix: (soil/water) SOIL Lab Sample ID: 0604424-001B

Sample wt/vol: 15 (g/mL) G Lab File ID: 6N14908.D

Level: (low/med) LOW Date Received: 04/11/06

% Moisture: 10.2 Decanted: (Y/N) N Date Extracted: 04/12/06

Concentrated Extract Volume: _____ 1000 (µl) Date Analyzed: 04/13/06

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 17 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	3.97	320	AJN
2. 4161-60-8	2-Pentanone, 4-hydroxy-	4.12	220	AJN
3. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	4400	AJN
4.	unknown (4.49)	4.49	440	J
5.	unknown (4.63)	4.63	370	J
6. 301-02-0	9-Octadecenamide, (Z)-	15.63	1000	JN
7. 3452-07-1	1-Eicosene	15.97	540	JN
8.	unknown (16.55)	16.55	1400	J
9. 112-84-5	Erucylamide	16.85	650	JN
10.	unknown (17)	17.00	440	J
11.	(DEL) Alkane: Straight-Chain (17.19)	17.19	1000	J
12.	unknown (17.22)	17.22	390	J
13.	unknown (17.77)	17.77	370	J
14.	(DEL) Alkane: Straight-Chain (17.99)	17.99	650	J
15.	unknown (18.12)	18.12	190	J
16.	unknown (18.79)	18.79	560	J
17. 14021-23-9	D-Friedoolean-14-ene, 3-methoxy-,	19.26	370	JN
18.	unknown (19.42)	19.42	460	J
19.	Sitosterol isomer	19.66	310	J
20.	unknown (19.77)	19.77	390	J
21.	unknown (20.58)	20.58	240	J
22. 559-74-0	Friedelin	21.77	1000	JN

PESTICIDE ORGANICS ANALYSIS DATA SHEET

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-001BSample wt/vol: 15 (g/mL) GLab File ID: A00341.raw% Moisture: 10.2 Decanted: (Y/N) NDate Received: 04/11/06Extraction: (Type) PFEXDate Extracted: 04/12/06Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/25/06Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	2.5	J
72-55-9	4,4'-DDE	4.9	
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	12	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	2.5	P
8001-35-2	Toxaphene	190	U
12574-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLab Sample ID: 0604424-001Level (low/med): LOWDate Received: 4/11/2006% Solids: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5120		*	P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	10.9	B		P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.014	U		P
7440-70-2	Calcium	178	B		P
7440-47-3	Chromium	6.0		*	P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	8.7		*	P
57-12-5	Cyanide	0.56	U		CA
7439-89-6	Iron	5630		*	P
7439-92-1	Lead	8.1		N*	P
7439-95-4	Magnesium	464	B		P
7439-96-5	Manganese	33.1		*	P
7439-97-6	Mercury	0.072			CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	173	B		P
7782-49-2	Selenium	0.47	B	N	P
7440-22-4	Silver	31.5		*E	P
7440-23-5	Sodium	9.8	B		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	8.9			P
7440-66-6	Zinc	14.1			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-09

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOILLab Sample ID: 0604424-002ASample wt/vol: 5(g/mL) GLab File ID: 6\P31324.D

Level: (low/med)

LOWDate Received: 04/11/06

% Moisture: not dec.

8.9Date Analyzed: 04/12/06GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	11	U
75-09-2	Methylene chloride	5	BJ
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-09

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-002A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31324.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: not dec. 8.9

Date Analyzed: 04/12/06

GC Column: R-502.2 ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µl)

Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1

(µg/L or µg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown siloxane	16.67	15	BJX

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-09

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-002BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14909.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 8.9 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 04/13/06Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/KG	Q
108-95-2	Phenol	190		U
111-44-4	Bis(2-chloroethyl) ether	190		U
95-57-8	2-Chlorophenol	190		U
541-73-1	1,3-Dichlorobenzene	190		U
106-46-7	1,4-Dichlorobenzene	190		U
95-50-1	1,2-Dichlorobenzene	190		U
95-48-7	2-Methylphenol	190		U
108-60-1	2,2'-oxybis(1-Chloropropane)	190		U
106-44-5	4-Methylphenol	190		U
621-64-7	N-Nitroso-di-n-propylamine	190		U
67-72-1	Hexachloroethane	190		U
98-95-3	Nitrobenzene	190		U
78-59-1	Isophorone	190		U
88-75-5	2-Nitrophenol	190		U
105-67-9	2,4-Dimethylphenol	190		U
111-91-1	bis(2-Chloroethoxy)methane	190		U
120-83-2	2,4-Dichlorophenol	190		U
120-82-1	1,2,4-Trichlorobenzene	190		U
91-20-3	Naphthalene	190		U
106-47-8	4-Chloroaniline	190		U
87-68-3	Hexachlorobutadiene	190		U
59-50-7	4-Chloro-3-methylphenol	190		U
91-57-6	2-Methylnaphthalene	190		U
77-47-4	Hexachlorocyclopentadiene	190		U
88-06-2	2,4,6-Trichlorophenol	190		U
95-95-4	2,4,5-Trichlorophenol	460		U
91-58-7	2-Chloronaphthalene	190		U
88-74-4	2-Nitroaniline	460		U
131-11-3	Dimethylphthalate	190		U
208-96-8	Acenaphthylene	190		U
606-20-2	2,6-Dinitrotoluene	190		U
99-09-2	3-Nitroaniline	460		U
83-32-9	Acenaphthene	190		U
51-28-5	2,4-Dinitrophenol	460		U
100-02-7	4-Nitrophenol	460		U
132-64-9	Dibenzofuran	190		U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-09

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-002BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14909.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 8.9 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	190		U
84-66-2	Diethylphthalate	330		
7005-72-3	4-Chlorophenyl-phenylether	190		U
86-73-7	Fluorene	190		U
100-01-6	4-Nitroaniline	460		U
534-52-1	4,6-Dinitro-2-methylphenol	460		U
86-30-6	N-Nitrosodiphenylamine	190		U
101-55-3	4-Bromophenyl-phenylether	190		U
118-74-1	Hexachlorobenzene	190		U
87-86-5	Pentachlorophenol	460		U
85-01-8	Phenanthrene	190		U
120-12-7	Anthracene	190		U
86-74-8	Carbazole	190		U
84-74-2	Di-n-butyl phthalate	190		U
206-44-0	Fluoranthene	190		U
129-00-0	Pyrene	190		U
85-68-7	Butyl benzyl phthalate	190		U
91-94-1	3,3'-Dichlorobenzidine	190		U
56-55-3	Benzo(a)anthracene	190		U
218-01-9	Chrysene	190		U
117-81-7	bis(2-Ethylhexyl)phthalate	190		U
117-84-0	Di-n-octyl phthalate	190		U
205-99-2	Benzo(b)fluoranthene	190		U
207-08-9	Benzo(k)fluoranthene	190		U
50-32-8	Benzo(a)pyrene	190		U
193-39-5	Indeno(1,2,3-cd)pyrene	190		U
53-70-3	Dibenzo(a,h)anthracene	190		U
191-24-2	Benzo(g,h,i)perylene	190		U

(1) Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-09

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Matrix: (soil/water) SOIL Lab Sample ID: 0604424-002B

Sample wt/vol: 15 (g/mL) G Lab File ID: 6W14909.D

Level: (low/med) LOW Date Received: 04/11/06

% Moisture: 8.9 Decanted: (Y/N) N Date Extracted: 04/12/06

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/13/06

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 17 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (3.73)	3.73	150	J
2.	4161-60-8 2-Pentanone, 4-hydroxy-	4.12	220	AJN
3.	123-42-2 2-Pentanone, 4-hydroxy-4-methyl-	4.31	4100	AJN
4.	unknown (4.5)	4.50	580	J
5.	unknown (4.64)	4.64	490	J
6.	trimethylnaphthalene isomer	11.25	150	J
7.	(DEL) Alkane: Branched	12.72	200	J
8.	301-02-0 9-Octadecenamide, (Z)-	15.62	1300	JN
9.	3452-07-1 1-Eicosene	15.96	420	JN
10.	unknown (16.54)	16.54	940	J
11.	112-84-5 Erucylamide	16.84	830	JN
12.	unknown (16.99)	16.99	320	J
13.	(DEL) Alkane: Straight-Chain (17.17)	17.17	750	J
14.	unknown (17.21)	17.21	310	J
15.	unknown (17.76)	17.76	300	J
16.	(DEL) Alkane: Straight-Chain (17.98)	17.98	480	J
17.	unknown (18.77)	18.77	420	J
18.	14021-23-9 D-Friedoolean-14-ene, 3-methoxy-,	19.25	290	JN
19.	unknown (19.41)	19.41	240	J
20.	Sitosterol isomer	19.64	270	J
21.	unknown (19.75)	19.75	200	J
22.	559-74-0 Friedelin	21.76	1300	JN

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-09

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water) SOIL

Lab Sample ID: 0604424-002B

Sample wt/vol: 15 (g/mL) G

Lab File ID: A00343.raw

% Moisture: 8.9 Decanted: (Y/N) N

Date Received: 04/11/06

Extraction: (Type) PFEX

Date Extracted: 04/12/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/25/06

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	2.5	J
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	6.7	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.8	J
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SR-09

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLab Sample ID: 0604424-002Level (low/med): LOWDate Received: 4/11/2006% Solids: 91.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6190		*	P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium	12.7	B		P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.013	U		P
7440-70-2	Calcium	169	B		P
7440-47-3	Chromium	9.4		*	P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	9.8		*	P
57-12-5	Cyanide	0.55	U		CA
7439-89-6	Iron	8030		*	P
7439-92-1	Lead	8.1		N*	P
7439-95-4	Magnesium	583			P
7439-96-5	Manganese	34.6		*	P
7439-97-6	Mercury	0.055			CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	195	B		P
7782-49-2	Selenium	0.21	U	N	P
7440-22-4	Silver	50.2		*E	P
7440-23-5	Sodium	6.2	B		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	11.8			P
7440-66-6	Zinc	15.6			P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-10

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Matrix: (soil/water) SOIL Lab Sample ID: 0604424-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: 6\P31325.D

Level: (low/med) LOW Date Received: 04/11/06

% Moisture: not dec. 9.8 Date Analyzed: 04/13/06

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (μL) Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	11	U
75-09-2	Methylene chloride	9	BJ
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-10

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-003A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31325.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: not dec. 9.8

Date Analyzed: 04/13/06

GC Column: R-502.2

ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µl)

Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2

(µg/L or µg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000541-05-9	Cyclotrisiloxane, hexamethyl-	11.41	20	BJNX
2. 000556-67-2	Cyclotetrasiloxane, octamethyl-	14.47	16	BJNX

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-10

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-003BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14910.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 9.8 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
108-95-2	Phenol	190		U
111-44-4	Bis(2-chloroethyl)ether	190		U
95-57-8	2-Chlorophenol	190		U
541-73-1	1,3-Dichlorobenzene	190		U
106-46-7	1,4-Dichlorobenzene	190		U
95-50-1	1,2-Dichlorobenzene	190		U
95-48-7	2-Methylphenol	190		U
108-60-1	2,2'-oxybis(1-Chloropropane)	190		U
106-44-5	4-Methylphenol	190		U
621-64-7	N-Nitroso-di-n-propylamine	190		U
67-72-1	Hexachloroethane	190		U
98-95-3	Nitrobenzene	190		U
78-59-1	Isophorone	190		U
88-75-5	2-Nitrophenol	190		U
105-67-9	2,4-Dimethylphenol	190		U
111-91-1	bis(2-Chloroethoxy)methane	190		U
120-83-2	2,4-Dichlorophenol	190		U
120-82-1	1,2,4-Trichlorobenzene	190		U
91-20-3	Naphthalene	190		U
106-47-8	4-Chloroaniline	190		U
87-68-3	Hexachlorobutadiene	190		U
59-50-7	4-Chloro-3-methylphenol	190		U
91-57-6	2-Methylnaphthalene	190		U
77-47-4	Hexachlorocyclopentadiene	190		U
88-06-2	2,4,6-Trichlorophenol	190		U
95-95-4	2,4,5-Trichlorophenol	470		U
91-58-7	2-Chloronaphthalene	190		U
88-74-4	2-Nitroaniline	470		U
131-11-3	Dimethylphthalate	190		U
208-96-8	Acenaphthylene	190		U
606-20-2	2,6-Dinitrotoluene	190		U
99-09-2	3-Nitroaniline	470		U
83-32-9	Acenaphthene	190		U
51-28-5	2,4-Dinitrophenol	470		U
100-02-7	4-Nitrophenol	470		U
132-64-9	Dibenzofuran	190		U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-10

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-003BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14910.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 9.8 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 04/13/06Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	190		U
84-66-2	Diethylphthalate	79		J
7005-72-3	4-Chlorophenyl-phenylether	190		U
86-73-7	Fluorene	190		U
100-01-6	4-Nitroaniline	470		U
534-52-1	4,6-Dinitro-2-methylphenol	470		U
86-30-6	N-Nitrosodiphenylamine	190		U
101-55-3	4-Bromophenyl-phenylether	190		U
118-74-1	Hexachlorobenzene	190		U
87-86-5	Pentachlorophenol	470		U
85-01-8	Phenanthrene	130		J
120-12-7	Anthracene	190		U
86-74-8	Carbazole	190		U
84-74-2	Di-n-butyl phthalate	190		U
206-44-0	Fluoranthene	120		J
129-00-0	Pyrene	100		J
85-68-7	Butyl benzyl phthalate	190		U
91-94-1	3,3'-Dichlorobenzidine	190		U
56-55-3	Benzo(a)anthracene	190		U
218-01-9	Chrysene	190		U
117-81-7	bis(2-Ethylhexyl)phthalate	190		U
117-84-0	Di-n-octyl phthalate	190		U
205-99-2	Benzo(b)fluoranthene	190		U
207-08-9	Benzo(k)fluoranthene	190		U
50-32-8	Benzo(a)pyrene	190		U
193-39-5	Indeno(1,2,3-cd)pyrene	190		U
53-70-3	Dibenzo(a,h)anthracene	190		U
191-24-2	Benzo(g,h,i)perylene	190		U

(1) Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-10

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Matrix: (soil/water) SOIL Lab Sample ID: 0604424-003B

Sample wt/vol: 15 (g/mL) G Lab File ID: 6N14910.D

Level: (low/med) LOW Date Received: 04/11/06

% Moisture: 9.8 Decanted: (Y/N) N Date Extracted: 04/12/06

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/13/06

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 18 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	3600	AJN
2.	unknown (4.5)	4.50	390	J
3.	unknown (4.63)	4.63	350	J
4. 301-02-0	9-Octadecenamide, (Z)-	15.63	1100	JN
5. 1599-67-3	1-Docosene	15.96	530	JN
6.	(DEL) Alkane: Straight-Chain (16.23)	16.23	220	J
7.	unknown (16.54)	16.54	1200	J
8. 112-84-5	Erucylamide	16.84	610	JN
9.	unknown (16.99)	16.99	520	J
10.	(DEL) Alkane: Straight-Chain (17.18)	17.18	1200	J
11.	unknown (17.21)	17.21	500	J
12.	unknown (17.76)	17.76	350	J
13.	(DEL) Alkane: Straight-Chain (17.98)	17.98	580	J
14.	unknown (18.1)	18.10	240	J
15.	unknown (18.22)	18.22	210	J
16.	unknown (18.77)	18.77	450	J
17.	unknown (19.24)	19.24	230	J
18.	unknown (19.41)	19.41	260	J
19.	Sitosterol isomer	19.64	500	J
20.	unknown (19.75)	19.75	330	J
21. 1058-61-3	Stigmast-4-en-3-one	20.67	230	JN
22. 559-74-0	Friedelin	21.76	1300	JN

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-10

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-003BSample wt/vol: 15 (g/mL) GLab File ID: A00344.raw% Moisture: 9.8 Decanted: (Y/N) NDate Received: 04/11/06Extraction: (Type) PFEXDate Extracted: 04/12/06Concentrated Extract Volume: 5000 (uL)Date Analyzed: 04/25/06Injection Volume: 0.5 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.9	
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.9	P
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	5.1	P
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	11	P
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	2.6	P
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	29	J
11096-82-5	Aroclor 1260	130	P

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SR-10

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLab Sample ID: 0604424-003Level (low/med): LOWDate Received: 4/11/2006% Solids: 90.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5580		*	P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	1.1			P
7440-39-3	Barium	14.7	B		P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.30	B		P
7440-70-2	Calcium	222	B		P
7440-47-3	Chromium	8.8		*	P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	18.7		*	P
57-12-5	Cyanide	0.55	U		CA
7439-89-6	Iron	6250		*	P
7439-92-1	Lead	10.5		N*	P
7439-95-4	Magnesium	646			P
7439-96-5	Manganese	34.1		*	P
7439-97-6	Mercury	0.092			CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	229	B		P
7782-49-2	Selenium	0.22	B	N	P
7440-22-4	Silver	57.2		*E	P
7440-23-5	Sodium	8.0	B		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	10.5			P
7440-66-6	Zinc	14.0			P

Color Before: BROWN Clarity Before: Texture: FINEColor After: YELLOW Clarity After: CLEARArtifacts:

Comments:

Date Reported: 4/26/06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-11

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Matrix: (soil/water) SOIL Lab Sample ID: 0604424-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: 6\P31326.D

Level: (low/med) LOW Date Received: 04/11/06

% Moisture: not dec. 9 Date Analyzed: 04/13/06

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (μL) Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	11	U
75-09-2	Methylene chloride	9	BJ
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-11

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-004A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31326.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: not dec. 9

Date Analyzed: 04/13/06

GC Column: R-502.2

ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μl)

Soil Aliquot Volume: 0 (μL)

CONCENTRATION UNITS:

Number TICs found: 2

(μg/L or μg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000541-05-9	Cyclotrisiloxane, hexamethyl-	11.40	16	BJNX
2. 000556-67-2	Cyclotetrasiloxane, octamethyl-	14.47	16	BJNX

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-11

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-004BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14911.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 9 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 4.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
541-73-1	1,3-Dichlorobenzene	190	U
106-46-7	1,4-Dichlorobenzene	190	U
95-50-1	1,2-Dichlorobenzene	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-oxybis(1-Chloropropane)	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	bis(2-Chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
120-82-1	1,2,4-Trichlorobenzene	190	U
91-20-3	Naphthalene	420	
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	240	
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	460	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	460	U
131-11-3	Dimethylphthalate	190	U
208-96-8	Acenaphthylene	190	U
606-20-2	2,6-Dinitrotoluene	190	U
99-09-2	3-Nitroaniline	460	U
83-32-9	Acenaphthene	280	
51-28-5	2,4-Dinitrophenol	460	U
100-02-7	4-Nitrophenol	460	U
132-64-9	Dibenzofuran	190	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-11

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water) SOIL

Lab Sample ID: 0604424-004B

Sample wt/vol: 15 (g/mL) G

Lab File ID: 6\N14911.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: 9 Decanted: (Y/N) N

Date Extracted: 04/12/06

Concentrated Extract Volume: 1000 (μL)

Date Analyzed: 04/13/06

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 4.0

Extraction: (Type) PFE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/KG	Q
121-14-2	2,4-Dinitrotoluene	190		U
84-66-2	Diethylphthalate	190		U
7005-72-3	4-Chlorophenyl-phenylether	190		U
86-73-7	Fluorene	160		J
100-01-6	4-Nitroaniline	460		U
534-52-1	4,6-Dinitro-2-methylphenol	460		U
86-30-6	N-Nitrosodiphenylamine	190		U
101-55-3	4-Bromophenyl-phenylether	190		U
118-74-1	Hexachlorobenzene	190		U
87-86-5	Pentachlorophenol	460		U
85-01-8	Phenanthrene	510		
120-12-7	Anthracene	110		J
86-74-8	Carbazole	190		U
84-74-2	Di-n-butyl phthalate	190		U
206-44-0	Fluoranthene	140		J
129-00-0	Pyrene	150		J
85-68-7	Butyl benzyl phthalate	190		U
91-94-1	3,3'-Dichlorobenzidine	190		U
56-55-3	Benzo(a)anthracene	190		U
218-01-9	Chrysene	75		J
117-81-7	bis(2-Ethylhexyl)phthalate	76		J
117-84-0	Di-n-octyl phthalate	190		U
205-99-2	Benzo(b)fluoranthene	190		U
207-08-9	Benzo(k)fluoranthene	190		U
50-32-8	Benzo(a)pyrene	190		U
193-39-5	Indeno(1,2,3-cd)pyrene	190		U
53-70-3	Dibenzo(a,h)anthracene	190		U
191-24-2	Benzo(g,h,i)perylene	190		U

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

APC11-SR-11

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-004BSample wt/vol: 15 (g/mL) GLab File ID: 6W14911.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 9 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (µl)Date Analyzed: 04/13/06Injection Volume: 2 (µl)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 4.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 18

(µg/L or µg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	3.97	550	AJN
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	3800	AJN
3. 301-02-0	9-Octadecenamide, (Z)-	15.62	920	JN
4. 1599-67-3	1-Docosene	15.96	830	JN
5.	(DEL) Alkane: Straight-Chain (16.23)	16.23	260	J
6.	unknown (16.54)	16.54	2300	J
7. 112-84-5	Erucylamide	16.83	720	JN
8.	unknown (16.98)	16.98	1200	J
9.	unknown (17.76)	17.76	1500	J
10.	(DEL) Alkane: Straight-Chain (17.98)	17.98	1100	J
11.	unknown (18.04)	18.04	390	J
12.	unknown (18.1)	18.10	340	J
13.	unknown (18.22)	18.22	260	J
14.	unknown (18.77)	18.77	1400	J
15.	unknown (19.15)	19.15	280	J
16.	unknown (19.24)	19.24	400	J
17.	unknown (19.41)	19.41	340	J
18.	Sitosterol isomer	19.64	620	J
19.	unknown (19.75)	19.75	340	J
20.	unknown (20.16)	20.16	260	J
21. 1058-61-3	Stigmast-4-en-3-one	20.67	270	JN
22. 559-74-0	Friedelin	21.76	2000	JN

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-11

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water) SOIL

Lab Sample ID: 0604424-004B

Sample wt/vol: 15 (g/mL) G

Lab File ID: A00345.raw

% Moisture: 9 Decanted: (Y/N) N

Date Received: 04/11/06

Extraction: (Type) PFEX

Date Extracted: 04/12/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/25/06

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 4.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.5	
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	11	
72-20-8	Endrin	4.8	P
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	5.0	P
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	28	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	24	J
11096-82-5	Aroclor 1260	43	P

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SR-11

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLab Sample ID: 0604424-004Level (low/med): LOWDate Received: 4/11/2006% Solids: 91.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4520		*	P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	26.7			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.013	U		P
7440-70-2	Calcium	193	B		P
7440-47-3	Chromium	9.6		*	P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	20.3		*	P
57-12-5	Cyanide	0.55	U		CA
7439-89-6	Iron	5180		*	P
7439-92-1	Lead	18.9		N*	P
7439-95-4	Magnesium	652			P
7439-96-5	Manganese	31.1		*	P
7439-97-6	Mercury	0.099			CV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	249	B		P
7782-49-2	Selenium	0.27	B	N	P
7440-22-4	Silver	47.2		*E	P
7440-23-5	Sodium	9.2	B		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	9.8			P
7440-66-6	Zinc	15.1			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-005A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31327.D

Level: (low/med)

LOW

Date Received: 04/11/06

% Moisture: not dec. 10.6

Date Analyzed: 04/13/06

GC Column: R-502.2

ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	11	U
75-09-2	Methylene chloride	5	BJ
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-005A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31327.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: not dec. 10.6

Date Analyzed: 04/13/06

GC Column: R-502.2 ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µl)

Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1

(µg/L or µg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown siloxane	16.67	15	BJX

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-005BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14912.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 10.6 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) UG/KG Q

108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl) ether	190	U
95-57-8	2-Chlorophenol	190	U
541-73-1	1,3-Dichlorobenzene	190	U
106-46-7	1,4-Dichlorobenzene	190	U
95-50-1	1,2-Dichlorobenzene	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-oxybis(1-Chloropropane)	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	bis(2-Chloroethoxy) methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
120-82-1	1,2,4-Trichlorobenzene	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	470	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	470	U
131-11-3	Dimethylphthalate	190	U
208-96-8	Acenaphthylene	190	U
606-20-2	2,6-Dinitrotoluene	190	U
99-09-2	3-Nitroaniline	470	U
83-32-9	Acenaphthene	190	U
51-28-5	2,4-Dinitrophenol	470	U
100-02-7	4-Nitrophenol	470	U
132-64-9	Dibenzofuran	190	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-005BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14912.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 10.6 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) NpH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	440	
7005-72-3	4-Chlorophenyl-phenylether	190	U
86-73-7	Fluorene	190	U
100-01-6	4-Nitroaniline	470	U
534-52-1	4,6-Dinitro-2-methylphenol	470	U
86-30-6	N-Nitrosodiphenylamine	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
87-86-5	Pentachlorophenol	470	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butyl phthalate	190	U
206-44-0	Fluoranthene	190	
129-00-0	Pyrene	160	J
85-68-7	Butyl benzyl phthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octyl phthalate	190	U
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	U
53-70-3	Dibenzo(a,h)anthracene	190	U
191-24-2	Benzo(g,h,i)perylene	190	U

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOILLab Sample ID: 0604424-005B

Sample wt/vol:

15

(g/mL)

GLab File ID: 6N14912.D

Level: (low/med)

LOWDate Received: 04/11/06

% Moisture:

10.6

Decanted: (Y/N)

NDate Extracted: 04/12/06

Concentrated Extract Volume:

1000

(μl)

Date Analyzed: 04/13/06

Injection Volume:

2

(μl)

Dilution Factor: 1.00

GPC Cleanup: (Y/N)

NpH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found:

15

(μg/L or μg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 4161-60-8	2-Pentanone, 4-hydroxy-	4.12	200	AJN
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	3600	AJN
3. 511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	15.58	200	JN
4. 301-02-0	9-Octadecenamide, (Z)-	15.62	940	JN
5.	unknown (15.96)	15.96	520	J
6.	(DEL) Alkane: Straight-Chain (16.24)	16.24	160	J
7.	unknown (16.54)	16.54	1000	J
8. 112-84-5	Erucylamide	16.84	700	JN
9.	unknown (16.99)	16.99	480	J
10.	unknown (17.76)	17.76	390	J
11.	(DEL) Alkane: Straight-Chain (17.99)	17.99	600	J
12.	unknown (18.12)	18.12	190	J
13.	unknown (18.31)	18.31	190	J
14.	unknown (18.78)	18.78	470	J
15. 14021-23-9	D-Friedoolean-14-ene, 3-methoxy-,	19.25	400	JN
16.	unknown (19.42)	19.42	280	J
17.	Sitosterol isomer	19.65	310	J
18.	unknown (19.76)	19.76	190	J
19. 559-74-0	Friedelin	21.77	1100	JN

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water) SOIL

Lab Sample ID: 0604424-005B

Sample wt/vol: 15 (g/mL) G

Lab File ID: A00347.raw

% Moisture: 10.6 Decanted: (Y/N) N

Date Received: 04/11/06

Extraction: (Type) PFEX

Date Extracted: 04/12/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/25/06

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	P
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	5.6	
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	4.2	P
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	18	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	2.5	
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	37	U

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SR-12

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLab Sample ID: 0604424-005Level (low/med): LOWDate Received: 4/11/2006% Solids: 89.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5720		*	P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	25.6			P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	301	B		P
7440-47-3	Chromium	8.8		*	P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	20.5		*	P
57-12-5	Cyanide	0.56	U		CA
7439-89-6	Iron	5930		*	P
7439-92-1	Lead	14.8		N*	P
7439-95-4	Magnesium	700			P
7439-96-5	Manganese	34.4		*	P
7439-97-6	Mercury	0.074			CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	271	B		P
7782-49-2	Selenium	0.26	B	N	P
7440-22-4	Silver	32.6		*E	P
7440-23-5	Sodium	13.9	B		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	11.0			P
7440-66-6	Zinc	19.5			P

Color Before: BROWN Clarity Before:Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

VOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOILLab Sample ID: 0604424-006ASample wt/vol: 5(g/mL) GLab File ID: 6\P31328.D

Level: (low/med)

LOWDate Received: 04/11/06

% Moisture: not dec.

11.1Date Analyzed: 04/13/06GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
75-01-4	Vinyl chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	11	U
75-09-2	Methylene chloride	6	BJ
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOIL

Lab Sample ID: 0604424-006A

Sample wt/vol: 5

(g/mL) G

Lab File ID: 6\P31328.D

Level: (low/med) LOW

Date Received: 04/11/06

% Moisture: not dec. 11.1

Date Analyzed: 04/13/06

GC Column: R-502.2 ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (pL)

Soil Aliquot Volume: 0 (pL)

CONCENTRATION UNITS:

Number TICs found: _____

2

(µg/L or µg/Kg)

UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown siloxane	16.68	13	BJX
2. 000076-22-2	Camphor	19.42	13	JN

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-006BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14913.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 11.1 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 04/13/06Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/KG	Q
108-95-2	Phenol	190		U
111-44-4	Bis(2-chloroethyl) ether	190		U
95-57-8	2-Chlorophenol	190		U
541-73-1	1,3-Dichlorobenzene	190		U
106-46-7	1,4-Dichlorobenzene	190		U
95-50-1	1,2-Dichlorobenzene	190		U
95-48-7	2-Methylphenol	190		U
108-60-1	2,2'-oxybis(1-Chloropropane)	190		U
106-44-5	4-Methylphenol	190		U
621-64-7	N-Nitroso-di-n-propylamine	190		U
67-72-1	Hexachloroethane	190		U
98-95-3	Nitrobenzene	190		U
78-59-1	Isophorone	190		U
88-75-5	2-Nitrophenol	190		U
105-67-9	2,4-Dimethylphenol	190		U
111-91-1	bis(2-Chloroethoxy)methane	190		U
120-83-2	2,4-Dichlorophenol	190		U
120-82-1	1,2,4-Trichlorobenzene	190		U
91-20-3	Naphthalene	540		
106-47-8	4-Chloroaniline	190		U
87-68-3	Hexachlorobutadiene	190		U
59-50-7	4-Chloro-3-methylphenol	190		U
91-57-6	2-Methylnaphthalene	330		
77-47-4	Hexachlorocyclopentadiene	190		U
88-06-2	2,4,6-Trichlorophenol	190		U
95-95-4	2,4,5-Trichlorophenol	470		U
91-58-7	2-Chloronaphthalene	190		U
88-74-4	2-Nitroaniline	470		U
131-11-3	Dimethylphthalate	190		U
208-96-8	Acenaphthylene	190		U
606-20-2	2,6-Dinitrotoluene	190		U
99-09-2	3-Nitroaniline	470		U
83-32-9	Acenaphthene	260		
51-28-5	2,4-Dinitrophenol	470		U
100-02-7	4-Nitrophenol	470		U
132-64-9	Dibenzofuran	190		U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Matrix: (soil/water) SOILLab Sample ID: 0604424-006BSample wt/vol: 15 (g/mL) GLab File ID: 6\N14913.DLevel: (low/med) LOWDate Received: 04/11/06% Moisture: 11.1 Decanted: (Y/N) NDate Extracted: 04/12/06Concentrated Extract Volume: 1000 (μL)Date Analyzed: 04/13/06Injection Volume: 2 (μL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	470	U
534-52-1	4,6-Dinitro-2-methylphenol	470	U
86-30-6	N-Nitrosodiphenylamine	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
87-86-5	Pentachlorophenol	470	U
85-01-8	Phenanthrene	310	
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butyl phthalate	190	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	140	J
85-68-7	Butyl benzyl phthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo(a)anthracene	190	U
218-01-9	Chrysene	82	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octyl phthalate	190	U
205-99-2	Benzo(b)fluoranthene	190	U
207-08-9	Benzo(k)fluoranthene	190	U
50-32-8	Benzo(a)pyrene	190	U
193-39-5	Indeno(1,2,3-cd)pyrene	190	U
53-70-3	Dibenzo(a,h)anthracene	190	U
191-24-2	Benzo(g,h,i)perylene	190	U

(1) Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

APC11-SR-13

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Matrix: (soil/water) SOIL Lab Sample ID: 0604424-006B

Sample wt/vol: 15 (g/mL) G Lab File ID: 6\N14913.D

Level: (low/med) LOW Date Received: 04/11/06

% Moisture: 11.1 Decanted: (Y/N) N Date Extracted: 04/12/06

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/13/06

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 19 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl-	3.96	870	AJN
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	4100	AJN
3.	1,3-Benzodioxole isomer	8.70	1300	J
4. 90-12-0	Naphthalene, 1-methyl-	9.03	240	JN
5. 301-02-0	9-Octadecenamide, (Z)-	15.64	1300	JN
6. 74685-30-6	5-Eicosene, (E)-	15.97	690	JN
7. <u>111438</u>	<u>unknown (16.55) 1-Docosene</u>	16.55	1600	JN <i>hs 4/18/06</i>
8. 112-84-5	Erucylamide	16.85	680	JN
9.	unknown (17)	17.00	890	J
10.	unknown (17.36)	17.36	220	J
11.	unknown (17.77)	17.77	970	J
12.	(DEL) Alkane: Straight-Chain	17.99	1100	J
13.	unknown (18.06)	18.06	390	J
14.	unknown (18.12)	18.12	310	J
15.	unknown (18.24)	18.24	270	J
16.	unknown (18.79)	18.79	910	J
17.	unknown (19.26)	19.26	340	J
18.	unknown (19.43)	19.43	390	J
19.	Sitosterol isomer	19.66	560	J
20.	unknown (19.77)	19.77	280	J
21.	unknown (20.19)	20.19	560	J
22. 559-74-0	Friedelin	21.77	970	JN

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water) SOIL

Lab Sample ID: 0604424-006B

Sample wt/vol: 15 (g/mL) G

Lab File ID: A00349.raw

% Moisture: 11.1 Decanted: (Y/N) N

Date Received: 04/11/06

Extraction: (Type) PFEX

Date Extracted: 04/12/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 04/25/06

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO	COMPOUND	(µg/L or µg/Kg) <u>UG/KG</u>	<u>Q</u>
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	1.9	J
72-55-9	4,4'-DDE	8.4	
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	6.3	P
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	72	

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLab Sample ID: 0604424-006Level (low/med): LOWDate Received: 4/11/2006% Solids: 88.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5180		*	P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	157			P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.49	B		P
7440-70-2	Calcium	308	B		P
7440-47-3	Chromium	12.9		*	P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	30.0		*	P
57-12-5	Cyanide	0.56	U		CA
7439-89-6	Iron	6050		*	P
7439-92-1	Lead	25.8		N*	P
7439-95-4	Magnesium	700			P
7439-96-5	Manganese	38.7		*	P
7439-97-6	Mercury	0.083			CV
7440-02-0	Nickel	3.5	B		P
7440-09-7	Potassium	264	B		P
7782-49-2	Selenium	0.39	B	N	P
7440-22-4	Silver	36.4		*E	P
7440-23-5	Sodium	13.3	B		P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	10.8			P
7440-66-6	Zinc	29.2			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA)

SDG: ATC009

ANALYSES

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	Date Recd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0604424-001A	APC11-SR-08	Soil	SW8260B	10-Apr-06	11-Apr-06		12-Apr-06		1	LOW	
0604424-002A	APC11-SR-09	Soil	SW8260B	10-Apr-06	11-Apr-06		12-Apr-06		1	LOW	
0604424-003A	APC11-SR-10	Soil	SW8260B	10-Apr-06	11-Apr-06		13-Apr-06		1	LOW	
0604424-004A	APC11-SR-11	Soil	SW8260B	10-Apr-06	11-Apr-06		13-Apr-06		1	LOW	
0604424-005A	APC11-SR-12	Soil	SW8260B	11-Apr-06	11-Apr-06		13-Apr-06		1	LOW	
0604424-006A	APC11-SR-13	Soil	SW8260B	11-Apr-06	11-Apr-06		13-Apr-06		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

SEMIVOLATILE (BNA)

SDG: ATC009

ANALYSES

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	Date Recd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0604424-001B	APC11-SR-08	Soil	ASPB-8270	10-Apr-06	11-Apr-06	12-Apr-06	13-Apr-06	PFEX	1	LOW	
0604424-002B	APC11-SR-09	Soil	ASPB-8270	10-Apr-06	11-Apr-06	12-Apr-06	13-Apr-06	PFEX	1	LOW	
0604424-003B	APC11-SR-10	Soil	ASPB-8270	10-Apr-06	11-Apr-06	12-Apr-06	13-Apr-06	PFEX	1	LOW	
0604424-004B	APC11-SR-11	Soil	ASPB-8270	10-Apr-06	11-Apr-06	12-Apr-06	13-Apr-06	PFEX	1	LOW	
0604424-005B	APC11-SR-12	Soil	ASPB-8270	11-Apr-06	11-Apr-06	12-Apr-06	13-Apr-06	PFEX	1	LOW	
0604424-006B	APC11-SR-13	Soil	ASPB-8270	11-Apr-06	11-Apr-06	12-Apr-06	13-Apr-06	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: ATC009

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	Date Recd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0604424-001B	APC11-SR-08	Soil	SW8081/8082	10-Apr-06	11-Apr-06	12-Apr-06	25-Apr-06	PFEX	1	LOW	
0604424-002B	APC11-SR-09	Soil	SW8081/8082	10-Apr-06	11-Apr-06	12-Apr-06	25-Apr-06	PFEX	1	LOW	
0604424-003B	APC11-SR-10	Soil	SW8081/8082	10-Apr-06	11-Apr-06	12-Apr-06	25-Apr-06	PFEX	1	LOW	
0604424-004B	APC11-SR-11	Soil	SW8081/8082	10-Apr-06	11-Apr-06	12-Apr-06	25-Apr-06	PFEX	1	LOW	
0604424-005B	APC11-SR-12	Soil	SW8081/8082	11-Apr-06	11-Apr-06	12-Apr-06	25-Apr-06	PFEX	1	LOW	
0604424-006B	APC11-SR-13	Soil	SW8081/8082	11-Apr-06	11-Apr-06	12-Apr-06	25-Apr-06	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : ATC009

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	Date Recd at Lab	Date Analyzed
0604424-001	APC11-SR-08	SOIL	AG,AL,AS,BA,BE,CA,CD,CN,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-001DUP	APC11-SR-08D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-001MS	APC11-SR-08S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-002	APC11-SR-09	SOIL	AG,AL,AS,BA,BE,CA,CD,CN,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-003	APC11-SR-10	SOIL	AG,AL,AS,BA,BE,CA,CD,CN,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-004	APC11-SR-11	SOIL	AG,AL,AS,BA,BE,CA,CD,CN,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-005	APC11-SR-12	SOIL	AG,AL,AS,BA,BE,CA,CD,CN,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06
0604424-006	APC11-SR-13	SOIL	AG,AL,AS,BA,BE,CA,CD,CN,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	11-Apr-06	04/06

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

16977

EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER				CLIENT: <u>ATC</u>										H2M SDG NO: <u>ATC 008/009</u>			
SHOREHAM REMEDIATION				Sample Container Description	2 OZ. GLASS	2 OZ. GLASS	2 OZ. GLASS					2 OZ. GLASS	2 OZ. GLASS	NOTES: "D" SAMPLES ARE FULL TCLP METALS "SR" SAMPLES ARE FULL TCL + 30 / TCL METALS		Project Contact:	
																COLIN CHAMBERS	
SAMPLERS: (signature)/Client				Total No. of Containers	ANALYSIS REQUESTED										Phone Number:		
[Signature] / ATC ASSOCIATES					ORGANIC					INORG.					609-571-7519		
DELIVERABLES:				↓	VOA	BNA	Pea/PCB									PIS/Quote #	
B5-7 D D																	906
TURNAROUND TIME:																	
DATE	TIME	MATRIX	FIELD I.D.												LAB I.D. NO.	REMARKS:	
4/10/06	15:12	SOIL	APC11-D-08	4									X		0604420-001		
4/10/06	15:25	SOIL	APC11-D-09	4									X		-002		
4/10/06	15:35	SOIL	APC11-D-10	4									X		-003		
4/10/06	12:50	SOIL	APC11-SR-08	4	X	X	X						X	X	0604424-001A	→ D	
4/10/06	14:00	SOIL	APC11-SR-09	4	X	X	X						X	X	002A	→ D	
4/10/06	14:45	SOIL	APC11-SR-10	4	X	X	X						X	X	003A	→ D	
4/10/06	15:00	SOIL	APC11-SR-11	4	X	X	X						X	X	004A	→ D	
4/11/06	08:50	SOIL	APC11-SR-12	4	X	X	X						X	X	005A	→ D	
4/11/06	09:10	SOIL	APC11-SR-13	4	X	X	X						X	X	006A	→ D	
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	LABORATORY USE ONLY Discrepancies Between Sample Labels and COC Record? Y or N Explain: Samples were: 1. Shipped or Hand Delivered Airbill# 2. Ambient or chilled, Temp 3. Received in good condition: Y or N 4. Properly preserved: Y or N COC Tape was: 1. Present on outer package: Y or N 2. Unbroken on outer package: Y or N 3. COC record present & complete upon sample receipt: Y or N					
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						

ATC009 S 9, - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

C

ATC009

H2M LABS, INC.

Sample Receipt Checklist

Client Name ATC

Date and Time Receive

4/11/2006 3:30:00 PM

Work Order Number 0604424

Received by

JN

Checklist completed by



Signature

4/11/06

Date

Reviewed by

USA

Initials

4/12/06

Date

Matrix

Carrier name Courier

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Applicable ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☒

Not Applicable ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Applicable ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

26°C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted? _____

Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____

Date contacted: _____

Person contacted _____

Contacted by: _____

Regarding _____

Comments: _____

Corrective Action _____

ATC009 S 10

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

1 WEEK VERBAL

CLIENT: ATC DELIVERABLES: BS-700 TURN AROUND TIME: 21 DAYS

SDG #: ATC009 CASE #: _____ MATRIX: SOIL pH CHECK Y or N

REMARKS: 020 ATC 020

RECEIVED BY: SN SIGNATURE: [Signature] DATE: 4/11/06 TIME: 15:30

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
APC11-SR-08	0604424 1-001A	4/10/06	A	1	8260-TCL-S + ncs
-09	-002A				
-10	-003A				
-11	-004A				
-12	-005A	4/11/06			
-13	-006A				
4/11/06 SN					

VOLATILE

P 0196

ATC009 S 11

LG #: ATC009

ATC009 S 12

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT:

ATC

DELIVERABLES:

B5.700

TURN AROUND TIME:

1 WEEK VERBALS

21 DAYS

SDG #-

ATC009

CASE #:

MATRIX:

SOIL

pH CHECK Y or N

REMARKS:

020 ATC 020

RECEIVED BY:

SU

SIGNATURE

Orin

DATE: 7/1/08

TIME: 15:30

[illegible]

SPECIAL PROCESS

P 0244

ATC009 S 13

SDG #: ATC009[illegible]

P 0245

ATC009 S 14

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: ATC DELIVERABLES: BS-700 TURN AROUND TIME: 21 DAYS

SDG #: ATC009 CASE #: _____ MATRIX: SOIL pH CHECK Y or N

REMARKS: _____

RECEIVED BY: SN SIGNATURE: [Signature] DATE: 4/11/06 TIME: 15:30

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
APC 11-SR-08 ms/msp	0604424 001C	4/10/06	A	1	TCLMPKG-S
-09	002C	↓	↓	↓	↓
-10	003C	↓	↓	↓	↓
-11	004C	↓	↓	↓	↓
-12	005C	4/11/06	↓	↓	↓
-13	006C	↓	↓	↓	↓
4/11/06 <u>SN</u>					

METALS

P 0235

ATC009 S 15

SDG #: ATC009[illegible]

P 0236

ATC009 S 16

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

1 WEEK VERBALS

CLIENT: ATC DELIVERABLES: B5.700 TURN AROUND TIME: 21 DAYS

SDG #: ATC009 CASE #: _____ MATRIX: SOIL pH CHECK Y or N _____

REMARKS: 020 ATZ 06

RECEIVED BY: SN SIGNATURE: [Signature] DATE: 4/11/06 TIME: 15:30

[illegible]

WET CHEMISTRY

P 0250

ATC009 S 17

SDG #: ATC009.

[illegible]

P 0251

ATC009 S 18

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: H2M

Case No./SDG: 0604424
 Sampling Date(s): 4/10, 11/2006
 Reviewed By: M. Traxler
 Completion Date: 7/5/2006

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	X		Methylene chloride (<RL)
System Monitoring/Surrogate Results	X			Within acceptance limits
MS/MSD Results		X		No MS/MSD results
Field Duplicate Results		X		No FD results
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

7/5/06

Volatile/Semivolatile Data Review Summary

ATC

BCM Project Name: Peerless Photo Products
 BCM Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: 0604424
 Sampling Date(s): 4/10, 11/2006
 Reviewed By: M. Traxler
 Completion Date: 7/5/2006

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	X		No FD
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 7/5/06

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: 0604424
 Sampling Date(s): 4/10, 11/2006
 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			
Field Duplicate Results	X			No FD
Internal Standard Areas/RT	X			
Target Compound Identification	X	X		All compounds properly identified
Quantitation/Detection Limits			X	2 columns >25%D on some results
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: _____

NA - Not applicable
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/5/06

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: 0604424
 Sampling Date(s): 4/10, 11/2006
 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			
Field Duplicate Results	X			No FD
Internal Standard Areas/RT	X			
Target Compound Identification	X	X		All compounds properly identified
Quantitation/Detection Limits			X	2 columns >25%D on some results
System Performance	X			
Overall Assessment of Data	X			
Other:				
Other:				
Other:				

General Comments: _____

NA - Not applicable
 NR - Not reviewed

QA Scientist Mark Traxler Date 7/5/06

Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products
 Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: J10870
 Sampling Date(s): 4/10, 11/2006
 Reviewed By: M. Traxler
 Completion Date: 7/5/2006

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	numerous outliers
Matrix Duplicate Results			X	numerous outliers
ICP Serial Dilution			X	> 10 RPD for Ag
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results	X	X		No FD
Sample Result Verification	X			
Other:				

General Comments:

NA - Not applicable
 NR - Not reviewed

QA Scientist

Mark Traxler

Date

7/5/06

Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products

Case/SDG Number: ATC009

Project Number: 68.28817.0001

Sample Location or Description	APC11-SR-08	APC11-SR-08D	APC11-SR-08S
Sample Number	0604424-001	0604424-001D	0604424-001S
Sampling Date	4/10/2006	4/10/2006	4/10/2006
Units	mg/kg	mg/kg	mg/kg

Spike Amount

Sample Result

MD Result

MS Result

					MD RPD	Q	MS %R	Q
Aluminum	-	5,120	7,270	-	34.8	*	-	
Antimony	55.7	-	-	24.7	-		44.4	*
Arsenic	4.45	1.28	1.48	5.15	14.4		86.7	
Barium	223	10.9	14.6	224	28.5	*	95.5	
Beryllium	5.57	0.20	0.24	5.33	17.6		92.1	
Cadmium	5.57	-	-	4.85	-		87.0	
Calcium	-	178	220	-	21.2	*	-	
Chromium	22.3	6.0	8.1	27.6	29.4	*	96.8	
Cobalt	55.7	1.2	1.6	51.5	27.9	*	90.2	
Copper	27.8	8.7	12.4	38.0	35.0	*	105.1	
Iron	111	5,630	8,000	7,070	34.7	*	1295.0	*
Lead	2.23	8.1	11.0	11.3	31.3	*	147.4	*
Magnesium	-	464	643	-	32.3	*	-	
Manganese	55.7	33.1	41.2	86.8	21.7	*	96.5	
Mercury	0.19	0.072	0.063	0.245	14.0		93.1	
Nickel	55.7	2.5	3.3	53.0	29.6	*	90.8	
Potassium	-	173	223	-	25.3	*	-	
Selenium	1.11	0.47	0.27	1.04	52.9	*	51.1	*
Silver	5.57	31.5	41.8	80.1	28.2	*	873.7	*
Sodium	-	9.8	16.7	-	52.3	*	-	
Thallium	5.57	-	-	4.91	-		88.2	
Vanadium	55.7	8.9	12.2	61.0	30.9	*	93.4	
Zinc	55.7	14.1	15.3	66.5	8.1		94.0	
Cyanide	28.1	-	-	31.9	-		113.6	

NT - Not Tested

Q - Qualifier

* - Denotes RPD outside criteria

ATC009 TAL Metals MD MS Results

QA Scientist

Mark Stapler Date 7/5/06

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK041206

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Matrix: (soil/water)

SOILLab Sample ID: VBLK041206Sample wt/vol: 5(g/mL) GLab File ID: 6\P31319.D

Level: (low/med)

LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 04/12/06GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/KG</u>	<u>Q</u>
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	4	J
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: ATC

SAS No.: _____

SDG No.: ATC009Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK041206	97	92	97		0
02	LFB041206	101	83	119		0
03	APC11-SR-08	100	95	100		0
04	APC11-SR-09	98	84	115		0
05	APC11-SR-10	98	98	102		0
06	APC11-SR-11	100	94	98		0
07	APC11-SR-12	98	84	122		0
08	APC11-SR-13	99	82	118		0

QC Limit

SMC1 DCE = 1,2-Dichloroethane-d4 (33-145)
 SMC2 TOL = Toluene-d8 (60-138)
 SMC3 BFB = 4-Bromofluorobenzene (70-148)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 NBZ #	S2 FBP #	S3 TPH #	S4 PD5 #	S5 2FP #	S6 TBP #	S7 2CP #	S8 DCB #	TOT OUT
01	MB-16641	93	96	79	104	104	106	106	94	0
02	LFB-16641	93	97	79	98	101	104	102	91	0
03	APC11-SR-08	78	86	73	91	85	103	91	69	0
04	APC11-SR-09	84	88	76	94	90	109	93	80	0
05	APC11-SR-10	77	86	76	90	83	108	88	67	0
06	APC11-SR-11	79	86	78	91	86	108	90	72	0
07	APC11-SR-12	80	86	79	91	85	108	90	72	0
08	APC11-SR-13	79	85	80	91	86	108	90	72	0

QC LIMITS

S1	NBZ	= Nitrobenzene-d5	(23-120)	
S2	FBP	= 2-Fluorobiphenyl	(30-115)	
S3	TPH	= 4-Terphenyl-d14	(18-137)	
S4	PD5	= Phenol-d5	(24-113)	
S5	2FP	= 2-Fluorophenol	(25-121)	
S6	TBP	= 2,4,6-Tribromophenol	(19-122)	
S7	2CP	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8	DCB	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: ATC

SAS No.: _____

SDG No.: ATC009

GC Column(1): Rtx-4 ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	MB-16642	108	110	110	112			0
02	LFBI-16642	109	113	108	110			0
03	LFB2-16642	113	115	109	111			0
04	APC11-SR-08	98	154 *	94	132			1
05	APC11-SR-09	101	139	88	119			0
06	APC11-SR-10	92	118	78	110			0
07	APC11-SR-11	102	157 *	98	165 *			2
08	APC11-SR-12	97	133	95	139			0
09	APC11-SR-13	96	130	95	137			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009

Sample ID LFB041206 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	50	0	45	89	33-149
Vinyl chloride	50	0	45	91	20-164
Bromomethane	50	0	46	92	58-144
Chloroethane	50	0	47	94	33-153
1,1-Dichloroethene	50	0	51	102	65-142
1,2-Dichloroethene (total)	100	0	110	106	57-150
Acetone	50	0	53	106	50-187
Carbon disulfide	50	0	50	100	52-143
Methylene chloride	50	4	48	97	46-157
1,1-Dichloroethane	50	0	50	101	67-141
2-Butanone	50	0	55	111	30-226
Chloroform	50	0	52	104	68-140
1,1,1-Trichloroethane	50	0	51	102	78-127
Carbon tetrachloride	50	0	51	103	70-136
Benzene	50	0	49	99	71-142
1,2-Dichloroethane	50	0	53	106	65-147
Trichloroethene	50	0	55	110	72-145
1,2-Dichloropropane	50	0	53	106	81-132
Bromodichloromethane	50	0	54	108	78-137
cis-1,3-Dichloropropene	50	0	57	115	78-131
4-Methyl-2-pentanone	50	0	45	89	64-170
Toluene	50	0	43	86	83-129
trans-1,3-Dichloropropene	50	0	59	117	59-147
1,1,2-Trichloroethane	50	0	58	116	80-139
Tetrachloroethene	50	0	46	93	67-144
2-Hexanone	50	0	58	117	59-163
Dibromochloromethane	50	0	57	114	82-136
Chlorobenzene	50	0	53	107	85-128
Ethylbenzene	50	0	51	102	80-129
Xylene (total)	150	0	170	115	79-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 33 outside limits

COMMENTS: _____

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____
Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009
Sample ID LFB041206 Level: (low/med) LOW

Styrene	50	0	59	119	85-126
Bromoform	50	0	73	145*	81-142
1,1,2,2-Tetrachloroethane	50	0	59	118	72-152

MT 7/5/06
No bromoform
positive results

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 33 outside limits

COMMENTS: _____

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009
 Sample ID LFB-16641 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Phenol	1700	0	1400	84	25-131
Bis(2-chloroethyl)ether	1700	0	1700	104	39-111
2-Chlorophenol	1700	0	1600	97	48-116
1,3-Dichlorobenzene	1700	0	1600	96	39-111
1,4-Dichlorobenzene	1700	0	1600	98	25-123
1,2-Dichlorobenzene	1700	0	1600	95	28-116
2-Methylphenol	1700	0	1700	102	41-131
2,2'-oxybis(1-Chloropropane)	1700	0	1700	101	28-146
4-Methylphenol	1700	0	1600	99	37-137
N-Nitroso-di-n-propylamine	1700	0	1600	93	40-124
Hexachloroethane	1700	0	1600	97	48-126
Nitrobenzene	1700	0	1600	97	48-126
Isophorone	1700	0	1400	85	33-131
2-Nitrophenol	1700	0	1700	100	39-135
2,4-Dimethylphenol	1700	0	1500	92	39-135
bis(2-Chloroethoxy)methane	1700	0	1800	110	20-148
2,4-Dichlorophenol	1700	0	1600	98	46-130
1,2,4-Trichlorobenzene	1700	0	1700	103	25-129
Naphthalene	1700	0	1700	103	43-109
4-Chloroaniline	1700	0	1400	82	25-133
Hexachlorobutadiene	1700	0	1700	103	11-135
4-Chloro-3-methylphenol	1700	0	1600	93	45-135
2-Methylnaphthalene	1700	0	1700	99	13-151
Hexachlorocyclopentadiene	1700	0	1300	78	13-119
2,4,6-Trichlorophenol	1700	0	1500	89	53-131
2,4,5-Trichlorophenol	1700	0	1900	113	48-132
2-Chloronaphthalene	1700	0	1800	106	47-123
2-Nitroaniline	1700	0	1700	100	41-131
Dimethylphthalate	1700	0	1700	102	10-162
Acenaphthylene	1700	0	1600	95	36-132

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 64 outside limits

COMMENTS: _____

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009
 Sample ID LFB-16641 Level: (low/med) LOW

2,6-Dinitrotoluene	1700	0	1600	98	48-136
3-Nitroaniline	1700	0	1400	84	11-167
Acenaphthene	1700	0	1700	102	43-109
2,4-Dinitrophenol	1700	0	1700	105*	11-101
4-Nitrophenol	1700	0	1600	98	22-156
Dibenzofuran	1700	0	1700	100	45-131
2,4-Dinitrotoluene	1700	0	1600	97	48-134
Diethylphthalate	1700	0	1600	97	24-156
4-Chlorophenyl-phenylether	1700	0	1700	102	50-130
Fluorene	1700	0	1700	104	48-114
4-Nitroaniline	1700	0	1500	89	14-136
4,6-Dinitro-2-methylphenol	1700	0	1600	94	47-107
N-Nitrosodiphenylamine	1700	0	1500	93	27-135
4-Bromophenyl-phenylether	1700	0	1800	107	50-142
Hexachlorobenzene	1700	0	1700	104	56-154
Pentachlorophenol	1700	0	2000	119	12-161
Phenanthrene	1700	0	1900	116	48-132
Anthracene	1700	0	1700	104	46-130
Carbazole	1700	0	1800	107	47-143
Di-n-butyl phthalate	1700	0	1800	105	44-144
Fluoranthene	1700	0	1700	104	48-132
Pyrene	1700	0	1700	104	50-116
Butyl benzyl phthalate	1700	0	1800	110	49-135
3,3'-Dichlorobenzidine	1700	0	430	26	20-132
Benzo(a)anthracene	1700	0	1700	100	56-136
Chrysene	1700	0	1700	104	55-109
bis(2-Ethylhexyl)phthalate	1700	0	2000	118	33-193
Di-n-octyl phthalate	1700	0	1700	99	45-155
Benzo(b)fluoranthene	1700	0	1700	101	41-119
Benzo(k)fluoranthene	1700	0	1500	90	35-137
Benzo(a)pyrene	1700	0	1600	97	62-110
Indeno(1,2,3-cd)pyrene	1700	0	1600	97	47-119
Dibenzo(a,h)anthracene	1700	0	1600	97	52-112

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 64 outside limits

COMMENTS: _____

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____
Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009
Sample ID LFB-16641 Level: (low/med) LOW

Benzo(g,h,i)perylene	1700	0	1600	97	46-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 64 outside limits

COMMENTS: _____

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009
 Sample ID LFB1-16642 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
alpha-BHC	13	0	14	105	35-146
beta-BHC	13	0	13	96	54-131
delta-BHC	13	0	14	104	53-138
gamma-BHC	13	0	14	106	37-146
Heptachlor	13	0	13	99	44-139
Aldrin	13	0	14	107	35-147
Heptachlor epoxide	13	0	14	104	41-140
Endosulfan I	13	0	13	94	28-150
Dieldrin	13	0	13	97	47-134
4,4'-DDE	13	0	13	99	52-137
Endrin	13	0	15	112	57-148
Endosulfan II	13	0	13	99	61-135
4,4'-DDD	13	0	13	97	54-132
Endosulfan sulfate	13	0	13	101	66-132
4,4'-DDT	13	0	13	100	55-130
Methoxychlor	13	0	13	98	61-138
Endrin ketone	13	0	14	104	72-135
Endrin aldehyde	13	0	15	112	61-136
alpha-Chlordane	13	0	14	105	54-127
gamma-Chlordane	13	0	14	103	44-147

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

3A
SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract: _____
Lab Code: 10478 Case No.: ATC SAS No.: _____ SDG No.: ATC009
Sample ID LFB2-16642 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Aroclor 1016	170	0	170	104	50-136
Aroclor 1260	170	0	170	103	45-154

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-SR-08S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	24.7453	0.3249 U	55.68	44.4	N	P
Arsenic	75-125	5.1453	1.2842	4.45	86.7		P
Barium	75-125	223.5891	10.9465 B	222.72	95.5		P
Beryllium	75-125	5.3307	0.2016 B	5.57	92.1		P
Cadmium	75-125	4.8463	0.0136 U	5.57	87.0		P
Chromium	75-125	27.6047	6.0457	22.27	96.8		P
Cobalt	75-125	51.4889	1.2428 B	55.68	90.2		P
Copper	75-125	37.9944	8.7361	27.84	105.1		P
Iron		7074.3875	5632.2817	111.36	1295.0		P
Lead	75-125	11.3381	8.0563	2.23	147.4	N	P
Manganese	75-125	86.8330	33.1169	55.68	96.5		P
Mercury	75-125	0.2450	0.0722	0.19	93.1		CV
Nickel	75-125	53.0178	2.4555 B	55.68	90.8		P
Selenium	75-125	1.0383	0.4689 B	1.11	51.1	N	P
Silver		30.1211	31.4766	5.57	873.7		P
Thallium	75-125	4.9130	0.2690 U	5.57	88.2		P
Vanadium	75-125	60.9610	8.9443	55.68	93.4		P
Zinc	75-125	66.4555	14.1203	55.68	94.0		P

MT
7/5/06

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-SR-13S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC009

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	31.9347	0.5624 U	28.12	113.6		CA

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-SR-08A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLevel (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony		109.79 B	2.92 U	120.0	91.5		P
Lead		125.82	72.35	50.0	106.9		P
Selenium		9.73 U	4.21 B	10.0	55.2		P

MT
7/5/06

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-SR-08

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC009Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 89.8% Solids for Duplicate: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5117.2350		7270.5089		34.8	*	P
Antimony		0.3249	U	0.3249	U			P
Arsenic	1.1136	1.2842		1.4829		14.4		P
Barium	22.2717	10.9465	B	14.5880	B	28.5		P
Beryllium	0.5568	0.2016	B	0.2405	B	17.6		P
Cadmium		0.0136	U	0.0136	U			P
Calcium	556.7929	178.0935	B	220.3463	B	21.2		P
Chromium		6.0457		8.1325		29.4	*	P
Cobalt	5.5679	1.2428	B	1.6459	B	27.9		P
Copper	2.7840	8.7361		12.4376		35.0	*	P
Iron		5632.2817		8000.9053		34.7	*	P
Lead		8.0563		11.0412		31.3	*	P
Magnesium	556.7929	464.3408	B	643.2606		32.3		P
Manganese		33.1169		41.1860		21.7	*	P
Mercury	0.0371	0.0722		0.0627		14.0		CV
Nickel	4.4543	2.4555	B	3.3085	B	29.6		P
Potassium	556.7929	172.6860	B	222.7004	B	25.3		P
Selenium	0.5568	0.4689	B	0.2729	B	52.9		P
Silver		31.4766		41.7988		28.2	*	P
Sodium	556.7929	9.7506	B	16.6592	B	52.3		P
Thallium		0.2690	U	0.2690	U			P
Vanadium	5.5679	8.9443		12.2082		30.9		P
Zinc		14.1203		15.3096		8.1		P

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-SR-13

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC009

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 88.9

% Solids for Duplicate: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide		0.5624	U	0.5624	U			CA

DATA USABILITY REPORT

H2M CASE NO. ATC0010

DATA USABILITY SUMMARY REPORT

FOR

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

REPORTED JUNE 2006

ATC PROJECT NO. 68.28817.0001

PREPARED BY



**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 April 12 and 13, 2006 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
METALS
PEERLESS PHOTO PRODUCTS SITE
APRIL 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 two (2) metals (cadmium and silver) results from the April 12 and 13, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case 0604516 included a total of 18 soil samples, including 1 set of field duplicate samples, plus 1 Matrix Spike/Matrix Duplicate (MS/MD) pair for limited metals (cadmium and silver) 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 quantitation limit (CRQL) 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 H2M Laboratories (H2M), Melville, New York following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 3050B 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 0604516 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 two (2) 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 H2M 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, delivered under a chain of custody record, and received at H2M on the second day of a two-day sampling event (April 13, 2006). All samples were received intact and in good condition at H2M.

The soil samples were collected and analyzed for total cadmium and silver following SW-846 Methods 3050B for digestion and 6010B for analysis.

3.0 FINDINGS/QUALIFIERS

The following metals 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 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 0604516 metals results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRQL were flagged by the laboratory with a "B". Since these values were less than the CRQL, the results were qualified as estimated (J).
2. The MD relative percent difference (RPD) for cadmium exceeded the method requirements of 20% and the project Data Quality Objective (DQO) of 35% (200.0%). However, the results were less than five times (<5X) the CRQL. Therefore, no qualification of cadmium results was made due to the MD.
3. The MD RPD for silver exceeded the method requirements of 20%, but not the project DQO of 35% (21.9%). Therefore, no qualification of silver results was made due to the MD. Silver data was reported flagged "*" on forms 1 and 6 by the laboratory.
4. The MS percent recovery for silver exceeded the control limits of 75-125% (331%). The spike recovery indicates possible matrix interference or sample non-homogeneity. The sample was post spiked and reanalyzed, recovering at 102.7%. Therefore, no qualification of silver results was made due to the MS. Silver data was reported flagged "N" on forms 1 and 5A by the laboratory.

5. The ICP serial dilution was acceptable for cadmium, but exceeded the control limit of 10% difference (21.2%) for silver on sample 0604516-016. Silver data was reported flagged "E" on forms 1 and 9 by the laboratory. All associated silver results are qualified as estimated (J).

4.0 SUMMARY

The metals results are acceptable as qualified. Holding times, initial and continuing calibration verification results, CRQL 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, and laboratory control sample results were within acceptance limits. Sample results were properly verified and identified, along with the appropriate quantitation limits.

This review has identified ICP serial dilution results 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 - 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

page 1

Site Name **Peerless Photo Products**
 Project Number **68.28817.0001**
 Sampling Date(s) **4/12, 13/2006**

Soil (mg/kg)

Laboratory

H2M - Melville, New York

Case/Order #

ATC010

Fraction/Method

Metals / 3050B / 6010B

Sample Location or Description			APC11-SS-01		APC11-SS-02		APC11-SS-03		APC11-SS-04		APC11-SS-05		APC11-SS-06		APC11-SS-07		APC11-SS-08		APC11-SS-09		APC11-SS-10	
Sample Number			0604516-001		0604516-002		0604516-003		0604516-004		0604516-005		0604516-006		0604516-007		0604516-008		0604516-009		0604516-010	
Sampling Date			4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006	
Preparation Date			4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006	
Analysis Date			4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006	
Percent Solids			88.6		95.2		89.5		84.5		86.8		83.3		75.4		77.0		72.6		83.6	
RL		P F	Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF	
0:50	Cadmium	X	0.84	1	0.7	1	1.7	1	0.054 B	J 1	0.041 B	J 1	0.031 B	J 1	U	1	U	1	0.14 B	J 1	0.059 B	J 1
1:00	Silver	X	42.4 N*E	J 1	190 N*E	J 1	77.7 N*E	J 1	20.5 N*E	J 1	6.5 N*E	J 1	13.7 N*E	J 1	4.3 N*E	J 1	3.8 N*E	J 1	29.2 N*E	J 1	57.2 N*E	J 1

Sample Location or Description		APC11-SS-11		APC11-SS-12		APC11-SS-13		APC11-SS-14		APC11-SS-15		APC13-BS-010		APC13-BS-010D		APC13-BS-010S		APC13-SW-010		APC13-SW-010				
Sample Number		0604516-011		0604516-012		0604516-013		0604516-014		0604516-015		0604516-016		0604516-016D		0604516-016S		0604516-017		0604516-018				
Sampling Date		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/12/2006		4/12/2006		4/12/2006		4/12/2006		4/12/2006				
Preparation Date		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006		4/13/2006				
Analysis Date		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006		4/17/2006				
Percent Solids		61.9		79.4		75.0		71.4		76.1		96.4		96.5		96.4		88.2		88.4				
RL		P	F	Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF		Q DF				
0:50	Cadmium	X		4.1	J 1	0.22 B	J 1	0.46 B	J 1	0.038 B	J 1	0.25 B	J 1		U 1		U 1	92.4%		1	0.69	J 1	0.77	J 1
1:00	Silver	X		22.1 N*E	J 1	15.2 N*E	J 1	81.8 N*E	J 1	150 N*E	J 1	9.1 N*E	J 1	17.2 N*E	J 1	21.4 N*E	J 1	-124.1%		1	37.9 N*E	J 1	56.4 N*E	J 1

P - ICP
 F - Flame AA
 Q - Qualifier, if any
 DF - Dilution Factor

APPENDIX A

H2M LABS, INC.

SDG NARRATIVE FOR METALS

SAMPLES RECEIVED: 4/13/06

SDG #: ATC010

For Samples:

APC11-SS-01	APC11-SS-07	APC11-SS-13
APC11-SS-02	APC11-SS-08	APC11-SS-14
APC11-SS-03	APC11-SS-09	APC11-SS-15
APC11-SS-04	APC11-SS-10	APC13-BS-010 MS/MSD
APC11-SS-05	APC11-SS-11	APC13-SW-010
APC11-SS-06	APC11-SS-12	APC13-SW-910

The above soil samples were received by H2M Labs, Inc. on 4/13/06 for analysis of the cadmium and silver.

Samples were prepared and analyzed using EPA method 6010B with a TJA61E trace ICP instrument.

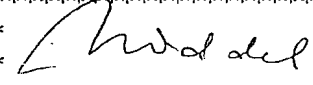
Sample APC13-BS-010 was utilized for QC analysis and reporting. The following parameters did not meet the acceptance limits:

- The sample spike recovery for silver was outside the QC limits. Data for silver are flagged with the "N" qualifier on Forms 1 and 5A.
- The post spike recovery was within the acceptance limits.
- The RPDs for the duplicates exceeded 20% for silver. Data for silver were qualified with "*" on Forms 1 and 6.
- In the serial dilution analysis of the sample, %D for silver exceeded the acceptance range, and all results for this analyte were flagged with the qualifier "E" on Forms 1 and 9.

No other problems were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: April 26, 2006

*  *
*

Ursula Middel
Technical Manager

ATC010 S 12

H2M LABS, INC.

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

- E - The reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.
- M - Duplicate injection precision not met.
- N - Matrix spike sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

- B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

- P - Analyzed by ICP.
- M - Analyzed by ICP-MS
- A - Analyzed by Flame AA.
- F - Analyzed by Furnace AA.
- CV - Analyzed by Manual Cold Vapor techniques.
- AV - Analyzed by Automated Cold Vapor techniques.
- C - Analyzed by Manual Spectrophotometric Method.
- CA - Analyzed by Midi-distillation Spectrophotometric Method.
- NR - Analyte not Required.

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-01

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-001Level (low/med): LOWDate Received: 4/13/2006% Solids: 88.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.84			P
7440-22-4	Silver	42.4		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-02

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-002Level (low/med): LOWDate Received: 4/13/2006% Solids: 95.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.66			P
7440-22-4	Silver	190		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-03

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-003Level (low/med): LOWDate Received: 4/13/2006% Solids: 89.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.7			P
7440-22-4	Silver	77.7		N*E	P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-04

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-004Level (low/med): LOWDate Received: 4/13/2006% Solids: 84.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.054	B		P
7440-22-4	Silver	20.5		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-05

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-005Level (low/med): LOWDate Received: 4/13/2006% Solids: 86.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.041	B		P
7440-22-4	Silver	6.5		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-06

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-006Level (low/med): LOWDate Received: 4/13/2006% Solids: 83.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.031	B		P
7440-22-4	Silver	13.7		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-07

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-007Level (low/med): LOWDate Received: 4/13/2006% Solids: 75.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.016	U		P
7440-22-4	Silver	4.3		N*E	P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-08

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-008Level (low/med): LOWDate Received: 4/13/2006% Solids: 77.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.016	U		P
7440-22-4	Silver	3.8		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-09

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-009Level (low/med): LOWDate Received: 4/13/2006% Solids: 72.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.14	B		P
7440-22-4	Silver	29.2		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-10

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-010Level (low/med): LOWDate Received: 4/13/2006% Solids: 83.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.059	B		P
7440-22-4	Silver	57.2		N+E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-11

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-011Level (low/med): LOWDate Received: 4/13/2006% Solids: 61.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	4.1			P
7440-22-4	Silver	22.1		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-12

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-012Level (low/med): LOWDate Received: 4/13/2006% Solids: 79.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.22	B		P
7440-22-4	Silver	15.2		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-13

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-013Level (low/med): LOWDate Received: 4/13/2006% Solids: 75.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.46	B		P
7440-22-4	Silver	81.8		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-14

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Lab Sample ID: 0604516-014

Level (low/med): LOW

Date Received: 4/13/2006

% Solids: 71.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.038	B		P
7440-22-4	Silver	150		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-15

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Lab Sample ID: 0604516-015

Level (low/med): LOW

Date Received: 4/13/2006

% Solids: 76.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.25	B		P
7440-22-4	Silver	9.1		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC13-B3-010

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-016Level (low/med): LOWDate Received: 4/13/2006% Solids: 96.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	17.2		N*E	P

Color Before: BROWNClarity Before: /Texture: FINEColor After: YELLOWClarity After: CLEARArtifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC13-SW-010

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC010Matrix (soil/water): SOILLab Sample ID: 0604516-017Level (low/med): LOWDate Received: 4/13/2006% Solids: 88.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.69			P
7440-22-4	Silver	37.9		N+E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC13-SW-910

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Lab Sample ID: 0604516-018

Level (low/med): LOW

Date Received: 4/13/2006

% Solids: 88.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.77			P
7440-22-4	Silver	56.4		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: ATC010

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	ME
APC11-SS-01	0604516-001	X
APC11-SS-02	0604516-002	X
APC11-SS-03	0604516-003	X
APC11-SS-04	0604516-004	X
APC11-SS-05	0604516-005	X
APC11-SS-06	0604516-006	X
APC11-SS-07	0604516-007	X
APC11-SS-08	0604516-008	X
APC11-SS-09	0604516-009	X
APC11-SS-10	0604516-010	X
APC11-SS-11	0604516-011	X
APC11-SS-12	0604516-012	X
APC11-SS-13	0604516-013	X
APC11-SS-14	0604516-014	X
APC11-SS-15	0604516-015	X
APC13-BS-010	0604516-016	X
APC13-SW-010	0604516-017	X
APC13-SW-910	0604516-018	X

CLP, ~~Non-CLP~~ (Please indicate year of protocol) *ASP B 10195*
TCL/TAL, HSL, Priority Pollutant,

JSLW 511106

ATC010 S 3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : ATC010

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	Date Recd at Lab	Date Analyzed
0604516-001	APC11-SS-01	SOIL	AG,CD,	13-Apr-06	04/06
0604516-002	APC11-SS-02	SOIL	AG,CD,	13-Apr-06	04/06
0604516-003	APC11-SS-03	SOIL	AG,CD,	13-Apr-06	04/06
0604516-004	APC11-SS-04	SOIL	AG,CD,	13-Apr-06	04/06
0604516-005	APC11-SS-05	SOIL	AG,CD,	13-Apr-06	04/06
0604516-006	APC11-SS-06	SOIL	AG,CD,	13-Apr-06	04/06
0604516-007	APC11-SS-07	SOIL	AG,CD,	13-Apr-06	04/06
0604516-008	APC11-SS-08	SOIL	AG,CD,	13-Apr-06	04/06
0604516-009	APC11-SS-09	SOIL	AG,CD,	13-Apr-06	04/06
0604516-010	APC11-SS-10	SOIL	AG,CD,	13-Apr-06	04/06
0604516-011	APC11-SS-11	SOIL	AG,CD,	13-Apr-06	04/06
0604516-012	APC11-SS-12	SOIL	AG,CD,	13-Apr-06	04/06
0604516-013	APC11-SS-13	SOIL	AG,CD,	13-Apr-06	04/06
0604516-014	APC11-SS-14	SOIL	AG,CD,	13-Apr-06	04/06
0604516-015	APC11-SS-15	SOIL	AG,CD,	13-Apr-06	04/06
0604516-016	APC13-BS-010	SOIL	AG,CD,	13-Apr-06	04/06
0604516-016DUP	APC13-BS-010D	SOIL	AG,CD,	13-Apr-06	04/06
0604516-016MS	APC13-BS-010S	SOIL	AG,CD,	13-Apr-06	04/06
0604516-017	APC13-SW-010	SOIL	AG,CD,	13-Apr-06	04/06
0604516-018	APC13-SW-910	SOIL	AG,CD,	13-Apr-06	04/06

H2M LABS, INC.

Sample Receipt Checklist

Client Name ATC

Date and Time Receive

4/13/2006 4:15:00 PM

Work Order Number 0604516

Received by JN

Checklist completed by

Signature

4/13/06
Date

Reviewed by

Initials

Date

4/14/06

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐ Not Applicable ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☒ Not Applicable ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐ Not Applicable ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐ 3.3°C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐ No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

ATC010 S 8

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: ATC DELIVERABLES: BS-700 TURN AROUND TIME: 2 DAY V
Q1 DAY PKG

SDG #: ATC010 CASE #: _____ MATRIX: SOIL pH CHECK Y or N

REMARKS: 020 ATC 06

RECEIVED BY: SN SIGNATURE: [Signature] DATE: 4/13/06 TIME: 16:15

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
APC11-SS-01	0604516-001	4/13/06	A	1	6010-S-PKG (SEL) PMOIST
APC11-SS-02	-002				
-03	-003				
-04	-004				
-05	-005				
-06	-006				
-07	-007				
-08	-008				
-09	-009				
-10	-010				
-11	-011				
-12	-012				
-13	-013				
-14	-014				
-15	-015				
APC13-BS-010	-016	4/12/06		3	
APC13-SW-010	-017			1	
APC13-SW-910	-018				
		4/13/06			

METALS

P 0247

ATC010 S9

CLIENT: ATC
SDG #: ATC010

CLIENT:

SDG # 5

[illegible]

METALS

P 0243

ATC010S10

APPENDIX B

Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products
 Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: ATC010
 Sampling Date(s): 4/12, 13/2006
 Reviewed By: M. Traxler
 Completion Date: 6/4/2006

Compound List: ☐ TAL ☐ Appendix IX ☒ Other Cd, Ag
 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 Duplicate Results	X	X		Ag >20, but < 35 RPD
Matrix Spike Results			X	Ag out of 75 - 125 % R range
ICP Serial Dilution			X	Ag > 10 RPD
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results	X	X		< 50 RPD (Cd below 5X RL)
Sample Result Verification	X			Cadmium and Silver
Other:				

General Comments:

NA - Not applicable
 NR - Not reviewed

QA Scientist Mark Traxler Date 6/4/06

Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products
 Project Number: 68.28817.0001

Case/SDG Number: ATC010

Sample Location or Description
Sample Number
Sampling Date
Units

APC11-BS-010	APC11-BS-010D	APC11-BS-010S
0604516-016	0604516-016D	0604516-016S
4/12/2006	4/12/2006	4/12/2006
mg/kg	mg/kg	mg/kg

Spike Amount Sample Result MD Result MS Result

					MD RPD	Q	MS %R	Q
Cadmium	5.19	0.00	0.02	5.47	200.0	*	105.5	
Silver	5.19	17.2	21.40	34.3	21.9	*	330.7	*

Q - Qualifier

* - Denotes RPD outside criteria

ATC010 MD MS Results

QA Scientist Mark Taylor Date 6/4/06

Inorganic Field Duplicate Precision Worksheet

ATC

Project Name: Peerless Photo Products
Project Number: 68.28817.0001

Case/SDG Number: ATC010

Sample Location or Description	APC11-SW-010	APC11-SW-910
Sample Number	0604516-017	0604516-018
Sampling Date	4/12/2006	4/12/2006
Units	mg/kg	mg/kg

	Sample	Field Duplicate	RPD	Q
Cadmium	0.69	0.77	11.0	
Silver	37.9	56.4	39.2	

* - Denotes RPD outside criteria

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
		C	1	C	2	C	3	C		C	
Cadmium	0.5	B	0.5	B	0.1	U	0.6	B	0.012	U	P
Silver	1.2	B	1.6	B	1.6	B	1.4	B	0.124	B	P

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Cadmium			0.6	B							P
Silver			1.2	B							P

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
		C	1	C	2	C	3	C		C	
Silver	0.4	U	0.4	U	0.4	U					P

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC13-BS-010S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 96.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Cadmium	75-125	5.4699	0.0127 U	5.19	105.5		P
Silver	75-125	34.3286	17.1762	5.19	330.7		P

DMT
6/4/06

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC13-BS-010A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Silver		473.67	165.58	300.0	102.7		P

OK
JMT
6/4/06

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC13-BS-010

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 96.4

% Solids for Duplicate: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium	0.5187	0.0127	U	0.0228	B	200.0		P
Silver		17.1762		21.4082		21.9	*	P

OK MT 6/4/06

<35%
MT

U.S. EPA - CLP

9
ICP SERIAL DILUTIONS

APC13-BS-010

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC010

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample		Serial		Differ-	Q	M
	Result (I)	C	Dilution	Result (S)	ence		
Cadmium	0.12	U		0.85	B		P
Silver	165.58			200.71	B	21.2	P

>10% criteria
MT 6/4/06

DATA USABILITY REPORT

H2M CASE NO. ATC0011

DATA USABILITY SUMMARY REPORT

FOR

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

REPORTED JUNE 2006

ATC PROJECT NO. 68.28817.0001

PREPARED BY



**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 April 17, 2006 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

A handwritten signature in cursive script, reading "Mark Traxler", positioned above a horizontal line.

Mark Traxler
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY
METALS
PEERLESS PHOTO PRODUCTS SITE
APRIL 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 two (2) metals (cadmium and silver) results from the April 17, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case 0604588 included a total of 10 soil samples, including 1 set of field duplicate samples, plus 1 Matrix Spike/Matrix Duplicate (MS/MD) pair for limited metals (cadmium and silver) 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 quantitation limit (CRQL) 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 H2M Laboratories (H2M), Melville, New York following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 3050B 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 0604588 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 two (2) 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 H2M 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, delivered under a chain of custody record, and received at H2M on the same day. All samples were received intact and in good condition at H2M.

The soil samples were collected and analyzed for total cadmium and silver following SW-846 Methods 3050B for digestion and 6010B for analysis.

3.0 FINDINGS/QUALIFIERS

The following metals 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 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 0604588 metals results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRQL were flagged by the laboratory with a "B". Since these values were less than the CRQL, the results were qualified as estimated (J).
2. The MS percent recovery for silver exceeds the control limits of 75-125% (-1013.4%). The spike recovery indicates possible matrix interference or sample non-homogeneity. However, the sample concentration exceeded four times (4X) the spike amount, rendering the spike values unusable. No post spikes were necessary and no qualification of silver results was made due to the MS recovery.

4.0 SUMMARY

The metals results are acceptable as qualified. Holding times, initial and continuing calibration verification results, CRQL 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.

page 1

Metals / 3050B / 6010B

Sample Location or Description		APC11-SW-016X		APC11-SW-908X											
Sample Number		0604588-009		0604588-010											
Sampling Date		4/17/2006		4/17/2006											
Preparation Date		4/19/2006		4/19/2006											
Analysis Date		4/19/2006		4/19/2006											
Percent Solids		84.2		85.5											
RL		P	F	Q DF		Q DF		Q DF		Q DF		Q DF		Q DF	
0.50	Cadmium	X		0.021 B	J 1	0.17 B	J 1								
1.00	Silver	X		112	1	118	1								

DF - Dilution Factor

APPENDIX A

H2M LABS, INC.

SDG NARRATIVE FOR METALS SAMPLES RECEIVED: 4/17/06 SDG #: ATC011

For Samples:

APC11-BS-021X	APC11-SW-007X
APC11-BS-029X	APC11-SW-008X
APC11-SW-002X	APC11-SW-013X MS/MSD
APC11-SW-003X	APC11-SW-016X
APC11-SW-006X	APC11-SW-908X

The above soil samples were received by H2M Labs, Inc. on 4/13/06 for analysis of the cadmium and silver.

Samples were prepared and analyzed using EPA method 6010B with a TJA61E trace ICP instrument.

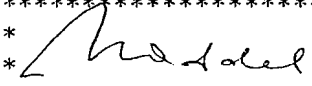
Sample APC11-SW-013X was utilized for QC analysis and reporting. The following parameters did not meet the acceptance limits:

- Spike analysis did not recover within 75-125% for silver. Since the sample value was greater than four times the spike concentration, post spikes and data qualifiers were not required.

Calibrations and all other QC checks met the acceptance criteria, and no problems were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: April 26, 2006

*  *

Ursula Middel
Technical Manager

ATC011 S 11

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: ATC011

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	ME
APC11-BS-021X	0604588-001	X
APC11-BS-029X	0604588-002	X
APC11-SW-002X	0604588-003	X
APC11-SW-003X	0604588-004	X
APC11-SW-006X	0604588-005	X
APC11-SW-007X	0604588-006	X
APC11-SW-008X	0604588-007	X
APC11-SW-013X	0604588-008	X
APC11-SW-016X	0604588-009	X
APC11-SW-908X	0604588-010	X

CLP, ~~Non-CLP~~ (Please indicate year of protocol) **ASP B 10195**
TCL/TAL, HSL, Priority Pollutant,

JSW 5/11/06

ATC011 S 3

H2M LABS, INC.

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

- E - The reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.
- M - Duplicate injection precision not met.
- N - Matrix spike sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

- B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

- P - Analyzed by ICP.
- M - Analyzed by ICP-MS
- A - Analyzed by Flame AA.
- F - Analyzed by Furnace AA.
- CV - Analyzed by Manual Cold Vapor techniques.
- AV - Analyzed by Automated Cold Vapor techniques.
- C - Analyzed by Manual Spectrophotometric Method.
- CA - Analyzed by Midi-distillation Spectrophotometric Method.
- NR - Analyte not Required.

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-021X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-001Level (low/med): LOWDate Received: 4/17/2006% Solids: 91.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	0.47	B		P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-029X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC011

Matrix (soil/water): SOIL

Lab Sample ID: 0604588-002

Level (low/med): LOW

Date Received: 4/17/2006

% Solids: 96.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	5.8			P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-002X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-003Level (low/med): LOWDate Received: 4/17/2006% Solids: 84.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.18	B		P
7440-22-4	Silver	62.6			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-003X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-004Level (low/med): LOWDate Received: 4/17/2006% Solids: 88.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.38	B		P
7440-22-4	Silver	204			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-006X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-005Level (low/med): LOWDate Received: 4/17/2006% Solids: 86.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.26	B		P
7440-22-4	Silver	166			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-007X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-006Level (low/med): LOWDate Received: 4/17/2006% Solids: 93.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.046	B		P
7440-22-4	Silver	153			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-008X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-007Level (low/med): LOWDate Received: 4/17/2006% Solids: 90.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.24	B		P
7440-22-4	Silver	165			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-013X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-008Level (low/med): LOWDate Received: 4/17/2006% Solids: 91.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.34	B		P
7440-22-4	Silver	192			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-016X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC011Matrix (soil/water): SOILLab Sample ID: 0604588-009Level (low/med): LOWDate Received: 4/17/2006% Solids: 84.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.021	B		P
7440-22-4	Silver	112			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-908X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC011

Matrix (soil/water): SOIL

Lab Sample ID: 0604588-010

Level (low/med): LOW

Date Received: 4/17/2006

% Solids: 85.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.17	B		P
7440-22-4	Silver	118			P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : ATC011

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	Date Recd at Lab	Date Analyzed
0604588-001	APC11-BS-021X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-002	APC11-BS-029X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-003	APC11-SW-002X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-004	APC11-SW-003X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-005	APC11-SW-006X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-006	APC11-SW-007X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-007	APC11-SW-008X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-008	APC11-SW-013X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-008DUP	APC11-SW-013XD	SOIL	AG,CD,	17-Apr-06	04/06
0604588-008MS	APC11-SW-013XS	SOIL	AG,CD,	17-Apr-06	04/06
0604588-009	APC11-SW-016X	SOIL	AG,CD,	17-Apr-06	04/06
0604588-010	APC11-SW-908X	SOIL	AG,CD,	17-Apr-06	04/06

PINK COPY - LABORATORY

C

ATC 011

H2M LABS, INC.

Sample Receipt Checklist

Client Name ATC

Date and Time Receive

4/17/2006 4:30:00 PM

Work Order Number 0604588

Received by

JN

Checklist completed by

Signature

Date

4/17/06

Reviewed by

Initials

Date

JSA

4/18/06

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Applicable ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☒	Not Applicable ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	26 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

ATC011 S7

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: ATC DELIVERABLES: B5-700 TURN AROUND TIME: 2 DAY V
21 DAY PKG

SDG #: ATCO11 CASE #: _____ MATRIX: SOIL pH CHECK Y or N _____

REMARKS: 020 ATC 06

RECEIVED BY: SN SIGNATURE: [Signature] DATE: 4/17/06 TIME: 16:30

[illegible]

METALS

P 0250

ATC011S8

H2M LABS, INC.

CLIENT: ABC

SDG #: ATCO11

INTERNAL CHAIN OF CUSTODY

[illegible]

METALS

P 0251

ATC011S9

APPENDIX B

Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products
 Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: ATC011
 Sampling Date(s): 4/17/2006
 Reviewed By: M. Traxler
 Completion Date: 6/5/2006

Compound List: ☐ TAL ☐ Appendix IX ☒ Other Cd, Ag
 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 Duplicate Results	X			< 35 RPD
Matrix Spike Results	X	X		75 - 125 % R (Ag results >4X spike)
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 Mark Traxler Date 6/5/06

Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products
Project Number: 68.28817.0001

Case/SDG Number: ATC011

Sample Location or Description
Sample Number
Sampling Date
Units

APC11-SW-013X	APC11-SW-013XD	APC11-SW-013XS
0604588-008	0604588-008D	0604588-008S
4/17/2006	4/17/2006	4/17/2006
mg/kg	mg/kg	mg/kg

Spike Amount Sample Result MD Result MS Result

					MD RPD	Q	MS %R	Q
Cadmium	5.48	0.34	0.38	5.28	11.4		90.1	
Silver	5.48	192	174	137	9.8		-1013.4	

Q - Qualifier

* - Denotes RPD outside criteria

Inorganic Field Duplicate Precision Worksheet

ATC

Project Name: Peerless Photo Products
Project Number: 68.28817.0001

Case/SDG Number: ATC011

Sample Location or Description	APC11-SW-008X	APC11-SW-908X
Sample Number	0604588-007	0604588-010
Sampling Date	4/17/2006	4/17/2006
Units	mg/kg	mg/kg

	Sample	Field Duplicate	RPD	Q
Cadmium	0.24	0.17	34.1	
Silver	165	118	33.2	

* - Denotes RPD outside criteria

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC011

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		C	M
			1	C	2	C	3	C				
Cadmium	0.5	B	0.6	B	0.7	B	0.6	B	0.012	U		P
Silver	0.4	U	0.5	B	2.2	B	0.6	B	0.045	U		P

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-SW-013XS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC011

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Cadmium	75-125	5.2760	0.3428 B	5.48	90.1		P
Silver		136.7625	192.2614	5.48	-1013.4		P

MT
6/5/06

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-SW-013X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC011

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 91.3

% Solids for Duplicate: 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium	0.5476	0.3428	B	0.3844	B	11.4		P
Silver		192.2614		174.2877		9.8		P

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9

ICE SERIAL DILUTIONS

APC11-SW-013X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.: TAMS ED

SDG No.: ATC011

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample		Serial Dilution		Differ-		Q	M
	Result (I)	C	Result (S)	C	ence			
Cadmium	3.13	B	2.75	B	12.1		P	
Silver	1755.35		1802.46		2.7		P	

ok

MT

6/5/06

<5x CRQL

DATA USABILITY REPORT

H2M CASE NO. ATC0012

DATA USABILITY SUMMARY REPORT

FOR

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

REPORTED JUNE 2006

ATC PROJECT NO. 68.28817.0001

PREPARED BY



**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 April 19, 2006 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

A handwritten signature in black ink, appearing to read "Mark Traxler", is written over a horizontal line.

Mark Traxler
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY
METALS
PEERLESS PHOTO PRODUCTS SITE
APRIL 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 two (2) metals (cadmium and silver) results from the April 19, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case 0604676 included a total of 20 soil samples, including 1 set of field duplicate samples, plus 1 Matrix Spike/Matrix Duplicate (MS/MD) pair for limited metals (cadmium and silver) 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 quantitation limit (CRQL) 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 H2M Laboratories (H2M), Melville, New York following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 3050B 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 0604676 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 two (2) 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 H2M 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, delivered under a chain of custody record, and received at H2M on the same day. All samples were received intact and in good condition at H2M.

The soil samples were collected and analyzed for total cadmium and silver following SW-846 Methods 3050B for digestion and 6010B for analysis.

3.0 FINDINGS/QUALIFIERS

The following metals 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 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 0604676 metals results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRQL were flagged by the laboratory with a "B". Since these values were less than the CRQL, the results were qualified as estimated (J).
2. The MD relative percent difference (RPD) for cadmium exceeded the method requirements of 20%, but not the project Data Quality Objective (DQO) of 35% (32.8%). However, the results were less than five times (<5X) the CRQL. Therefore, no qualification of cadmium results was made due to the MD.
3. The MD RPD for silver exceeded the method requirements of 20%, but not the project DQO of 35% (27.4%). Therefore, no qualification of cadmium results was made due to the MD.
4. The MS percent recovery for silver exceeded the control limits of 75-125% (354.9%). The spike recovery indicates possible matrix interference or sample non-homogeneity. The sample was post spiked and reanalyzed, recovering at 106.0%. Silver data was reported flagged "N" on forms 1 and 5A by the laboratory. All associated silver results are qualified as estimated (J).

5. The ICP serial dilution was acceptable for cadmium, but exceeded the control limit of 10% difference (17.6%) for silver on sample 0604676-001. Silver data was reported flagged "E" on forms 1 and 9 by the laboratory. All associated silver results are qualified as estimated (J).

4.0 SUMMARY

The metals results are acceptable as qualified. Holding times, initial and continuing calibration verification results, CRQL check sample results, continuing calibration blank results, laboratory preparation blank results, blank sample results, ICP interference check sample results, laboratory duplicates, field duplicates, and laboratory control sample results were within acceptance limits. Sample results were properly verified and identified, along with the appropriate quantitation limits.

This review has identified matrix spike recoveries and ICP serial dilution results are 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

page 1

Site Name Peerless Photo Products
 Project Number 68.28817.0001
 Sampling Date(s) 4/19/2006

Soil (mg/kg)

Laboratory H2M - Melville, New York
 Case/Order # ATC012
 Fraction/Method Metals / 3050B / 6010B

Sample Location or Description		APC-11-BS-040A		APC-11-BS-040AD		APC-11-BS-040AS		APC-11-BS-041A		APC-11-BS-042A		APC-11-BS-043A		APC-11-BS-044A		APC-11-BS-941A		APC-11-SS-14B		APC-11-SS-14E			
Sample Number		0604676-001		0604676-001D		0604676-001S		0604676-002		0604676-003		0604676-004		0604676-005		0604676-006		0604676-007		0604676-008			
Sampling Date		4/19/2006		4/19/2006		4/19/2006		4/19/2006		4/19/2006		4/19/2006		4/19/2006		4/19/2006		4/19/2006		4/19/2006			
Preparation Date		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006			
Analysis Date		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006			
Percent Solids		93.0		93.4		93.0		92.7		92.3		92.9		88.1		86.0		82.6		71.9			
RL		P	F	Q		DF		Q		DF		Q		DF		Q		DF		Q		DF	
0.50	Cadmium	X		1.1		1		0.80		1		95.3%		1		U		1		U		1	
1.00	Silver	X		12.7 N°E	J	1		16.7 N°E	J	1		354.9%		1		6.0 N°E	J	1		0.80 BN°E	J	1	
				7.8 N°E	J	1		75.8 N°E	J	1		4.4 N°E	J	1		3.7 N°E	J	1		17.8 N°E	J	1	

Sample Location or Description			APC-11-SS-14N			APC-11-SS-14S			APC-11-SS-14W			APC-11-SW-019X			APC-11-SW-020X			APC-11-SW-021X			APC-11-SW-022X			APC-11-SW-023X			APC-11-SW-024X			APC-11-SW-025X					
Sample Number			0604676-009			0604676-010			0604676-011			0604676-012			0604676-013			0604676-014			0604676-015			0604676-016			0604676-017			0604676-018					
Sampling Date			4/19/2006			4/19/2006			4/19/2006			4/19/2006			4/19/2006			4/19/2006			4/19/2006			4/19/2006			4/19/2006			4/19/2006					
Preparation Date			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006					
Analysis Date			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006			4/20/2006					
Percent Solids			74.3			72.3			72.5			61.8			78.4			80.2			78.9			88.4			89.8			89.8					
RL		P F	Q DF			Q DF			Q DF			Q DF			Q DF			Q DF			Q DF			Q DF			Q DF			Q DF					
0.50		Cadmium				0.13 B	J	1	0.13 B	J	1	0.044 B	J	1	0.31 B	J	1	7.1		1	0.26 B	J	1	0.13 B	J	1	0.034 B	J	1	0.19 B	J	1	1.4		1
1.00		Silver				143 N°E	J	1	95.2 N°E	J	1	120 N°E	J	1	161 N°E	J	1	139 N°E	J	1	117 N°E	J	1	21.7 N°E	J	1	48.6 N°E	J	1	54.1 N°E	J	1	54.8 N°E	J	1

P - ICP
 F - Flame AA
 Q - Qualifier, if any
 DF - Dilution Factor

DATA SUMMARY - INORGANIC ANALYTES

page 1

Site Name Peerless Photo Products
 Project Number 68.28817.0001
 Sampling Date(s) 4/19/2006

Soil (mg/kg)

Laboratory

H2M - Melville, New York

Case/Order #

ATC012

Fraction/Method

Metals / 3050B / 6010B

		Sample Location or Description		APC-11-SW-026X		APC-11-SW-027X																
		Sample Number		0604676-019		0604676-020																
		Sampling Date		4/19/2006		4/19/2006																
		Preparation Date		4/20/2006		4/20/2006																
		Analysis Date		4/20/2006		4/20/2006																
		Percent Solids		89.3		90.3																
RL			P	F	Q		DF	Q		DF	Q		DF	Q		DF	Q		DF	Q		DF
0.50		Cadmium		X		2.2	1		0.78	1												
1.00		Silver		X		49.1 N*E	J 1		75.8 N*E	J 1												

	Sample Location or Description																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

P - ICP

F - Flame AA

Q - Qualifier, if any

DF - Dilution Factor

APPENDIX A

H2M LABS, INC.

SDG NARRATIVE FOR METALS SAMPLES RECEIVED: 4/19/06 SDG #: ATC012

For Samples:

APC11-BS-040A MS/MSD	APC11-SS-14E	APC11-SW-022X
APC11-BS-041A	APC11-SS-14N	APC11-SW-023X
APC11-BS-042A	APC11-SS-14S	APC11-SW-024X
APC11-BS-043A	APC11-SS-14W	APC11-SW-025X
APC11-BS-044A	APC11-SW-019X	APC11-SW-026X
APC11-BS-941A	APC11-SW-020X	APC11-SW-027X
APC11-SS-14B	APC11-SW-021X	

The above soil samples were received by H2M Labs, Inc. on 4/19/06 for analysis of the cadmium and silver.

Samples were prepared and analyzed using EPA method 6010B with a TJA61E trace ICP instrument.

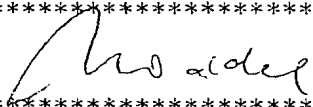
Sample APC11-BS-040A was utilized for QC analysis and reporting. The following parameters did not meet the acceptance limits:

- The sample spike recovery for silver was outside the QC limits. Data for silver were flagged with the "N" qualifier on Forms 1 and 5A.
- The post spike recovery was within the acceptance limits.
- The RPDs for the duplicates exceeded the acceptance limits for silver. Results for silver were qualified with "*" on Forms 1 and 6.
- In the serial dilution analysis of the sample, %D for silver exceeded the acceptance range, and all silver results were flagged with the qualifier "E" on Forms 1 and 9.

Calibrations met the acceptance criteria, and no other problems were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 1, 2006

*  *
*

Ursula Middel
Technical Manager

CCCTCTA

H2M LABS, INC.

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

- E - The reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.
- M - Duplicate injection precision not met.
- N - Matrix spike sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

- B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

- P - Analyzed by ICP.
- M - Analyzed by ICP-MS
- A - Analyzed by Flame AA.
- F - Analyzed by Furnace AA.
- CV - Analyzed by Manual Cold Vapor techniques.
- AV - Analyzed by Automated Cold Vapor techniques.
- C - Analyzed by Manual Spectrophotometric Method.
- CA - Analyzed by Midi-distillation Spectrophotometric Method.
- NR - Analyte not Required.

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-040A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-001Level (low/med): LOWDate Received: 4/19/2006% Solids: 93.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.1			P
7440-22-4	Silver	12.7		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-041A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-002Level (low/med): LOWDate Received: 4/19/2006% Solids: 92.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	6.0		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-042A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-003Level (low/med): LOWDate Received: 4/19/2006% Solids: 92.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	0.80	B	N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-043A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-004Level (low/med): LOWDate Received: 4/19/2006% Solids: 92.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	7.8		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-044A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-005Level (low/med): LOWDate Received: 4/19/2006% Solids: 88.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.37	B		P
7440-22-4	Silver	75.8		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-941A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-006Level (low/med): LOWDate Received: 4/19/2006% Solids: 86.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.014	U		P
7440-22-4	Silver	4.4		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-14B

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-007Level (low/med): LOWDate Received: 4/19/2006% Solids: 82.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.015	U		P
7440-22-4	Silver	3.7		N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-14E

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-008Level (low/med): LOWDate Received: 4/19/2006% Solids: 71.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.017	U		P
7440-22-4	Silver	17.8		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-14N

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-009Level (low/med): LOWDate Received: 4/19/2006% Solids: 74.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.13	B		P
7440-22-4	Silver	143		N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-14S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Matrix (soil/water): SOIL

Lab Sample ID: 0604676-010

Level (low/med): LOW

Date Received: 4/19/2006

% Solids: 72.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.13	B		P
7440-22-4	Silver	95.2		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SS-14W

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-011Level (low/med): LOWDate Received: 4/19/2006% Solids: 72.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.044	B		P
7440-22-4	Silver	120		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-019X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-012Level (low/med): LOWDate Received: 4/19/2006% Solids: 61.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.31	B		P
7440-22-4	Silver	161		N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-020X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-013Level (low/med): LOWDate Received: 4/19/2006% Solids: 78.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.1			P
7440-22-4	Silver	139		N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-021X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-014Level (low/med): LOWDate Received: 4/19/2006% Solids: 80.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.26	B		P
7440-22-4	Silver	117		N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-022X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-015Level (low/med): LOWDate Received: 4/19/2006% Solids: 78.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.13	B		P
7440-22-4	Silver	21.7		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-023X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-016Level (low/med): LOWDate Received: 4/19/2006% Solids: 88.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.034	B		P
7440-22-4	Silver	48.6		N*E	P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-024X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-017Level (low/med): LOWDate Received: 4/19/2006% Solids: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.19	B		P
7440-22-4	Silver	54.1		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-025X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-018Level (low/med): LOWDate Received: 4/19/2006% Solids: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.4			P
7440-22-4	Silver	54.8		N*E	P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-026X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-019Level (low/med): LOWDate Received: 4/19/2006% Solids: 89.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	2.2			P
7440-22-4	Silver	49.1		N*E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-027X

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC012Matrix (soil/water): SOILLab Sample ID: 0604676-020Level (low/med): LOWDate Received: 4/19/2006% Solids: 90.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.78			P
7440-22-4	Silver	75.8		N+E	P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : ATC012

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	Date Recd at Lab	Date Analyzed
0604676-001	APC11-BS-040A	SOIL	AG,CD,	19-Apr-06	04/06
0604676-001DUP	APC11-BS-040AD	SOIL	AG,CD,	19-Apr-06	04/06
0604676-001MS	APC11-BS-040AS	SOIL	AG,CD,	19-Apr-06	04/06
0604676-002	APC11-BS-041A	SOIL	AG,CD,	19-Apr-06	04/06
0604676-003	APC11-BS-042A	SOIL	AG,CD,	19-Apr-06	04/06
0604676-004	APC11-BS-043A	SOIL	AG,CD,	19-Apr-06	04/06
0604676-005	APC11-BS-044A	SOIL	AG,CD,	19-Apr-06	04/06
0604676-006	APC11-BS-941A	SOIL	AG,CD,	19-Apr-06	04/06
0604676-007	APC11-SS-14B	SOIL	AG,CD,	19-Apr-06	04/06
0604676-008	APC11-SS-14E	SOIL	AG,CD,	19-Apr-06	04/06
0604676-009	APC11-SS-14N	SOIL	AG,CD,	19-Apr-06	04/06
0604676-010	APC11-SS-14S	SOIL	AG,CD,	19-Apr-06	04/06
0604676-011	APC11-SS-14W	SOIL	AG,CD,	19-Apr-06	04/06
0604676-012	APC11-SW-019X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-013	APC11-SW-020X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-014	APC11-SW-021X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-015	APC11-SW-022X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-016	APC11-SW-023X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-017	APC11-SW-024X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-018	APC11-SW-025X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-019	APC11-SW-026X	SOIL	AG,CD,	19-Apr-06	04/06
0604676-020	APC11-SW-027X	SOIL	AG,CD,	19-Apr-06	04/06

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

16375

EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER SHOREHAM REMEDIATION				CLIENT: ATC				H2M SDG NO: ATC012					
SAMPLERS: (signature)/Client ATC ASSOCIATES				Sample Container Description 2/4 OZ. GLASS				NOTES: * TOTAL Ag AND Cd				Project Contact: COLIN CHAMBERS	
DELIVERABLES: B5-70D												Phone Number: 609-571-7519	
TURNAROUND TIME: 24-48 Hr V. - 21 DAY PKG.				ANALYSIS REQUESTED				PLS/Quote # 906					
DATE TIME MATRIX FIELD I.D.				ORGANIC INORG.									
				VOA BNA Pea/PCB Metal CN				LAB I.D. NO.				REMARKS:	
4/19/06	11:55	SOIL	APC11-SW-019X					X		0604676-012	202		
4/19/06	12:00	SOIL	APC11-SW-020X					X		013			
4/19/06	12:10	SOIL	APC11-SW-021X					X		014			
4/19/06	12:15	SOIL	APC11-SW-022X					X		015			
4/19/06	12:18	SOIL	APC11-SW-023X					X		016			
4/19/06	12:30	SOIL	APC11-SW-024X					X		017			
4/19/06	13:45	SOIL	APC11-SW-025X					X		018	402		
4/19/06	13:50	SOIL	APC11-SW-026X					X		019			
4/19/06	13:55	SOIL	APC11-SW-027X					X		020			
4/19/06	14:35	SOIL	APC11-SS-14B					X		007			
Relinquished by: (Signature) 				Date Time 4.19.06 14:30		Received by: (Signature) 				Date Time 4.19.06 14:30		LABORATORY USE ONLY Discrepancies Between Sample Labels and COC Record? Y or N Explain: Samples were: 1. Shipped ___ or Hand Delivered ___ Airbill# ___ 2. Ambient or chilled, Temp ___ 3. Received in good condition: Y or N 4. Properly preserved: Y or N COC Tape was: 1. Present on outer package: Y or N 2. Unbroken on outer package: Y or N 3. COC record present & complete upon sample receipt: Y or N	
Relinquished by: (Signature) 				Date Time 4.19.06 15:42		Received by: (Signature) 				Date Time 4/19/06 1542			
Relinquished by: (Signature) _____				Date Time _____		Received by: (Signature) _____				Date Time _____			
Relinquished by: (Signature) _____				Date Time _____		Received by: (Signature) _____				Date Time _____			

ATC012 CG

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

16376

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

PROJECT NAME/NUMBER

SHOREHAM REMEDIATION

SAMPLERS: (Signature)/Client

ATC ASSOCIATES

DELIVERABLES:

B5-70 D

TURNAROUND TIME:

24-48 Hr. V - 21 DAY PKG.

CLIENT: ATC

H2M SDG NO: ATC012

NOTES:

* TOTAL
Ag AND
Cd

Project Contact:

COLIN CHAMBERS

Phone Number:

609-571-7519

PIS/Quote #

906

Sample Container
Description

2/4 OZ. GLASS

Total No. of
Containers

ANALYSIS REQUESTED

ORGANIC

INORG.

DATE TIME MATRIX FIELD I.D.

4/19/06 12:50 SOIL APC11-SS-14W

4/19/06 12:45 SOIL APC11-SS-14E

4/19/06 12:40 SOIL APC11-SS-14S

4/19/06 12:47 SOIL APC11-SS-14N

4/19/06 12:55 SOIL APC11-B5-040A

4/19/06 13:00 SOIL APC11-B5-041A

4/19/06 13:03 SOIL APC11-B5-941A

4/19/06 13:06 SOIL APC11-B5-042A

4/19/06 13:10 SOIL APC11-B5-043A

4/19/06 13:15 SOIL APC11-B5-044A

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

LABORATORY USE ONLY

Discrepancies Between
Sample Labels and
COC Record? Y or N
Explain:

Samples were:

1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled, Temp _____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:

1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

ATC012 S 7 ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

ATC012

Sample Receipt Checklist

Client Name ATC

Date and Time Receive

4/19/2006

Work Order Number 0604676

Received by LSD

Checklist completed by

LSD

Signature

4/19/06

Date

Reviewed by

JSA

Initials

4/20/06

Date

Matrix

Carrier name Courier

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Applicable ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Applicable ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Applicable ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

4°C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted? _____

Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____

Date contacted: _____

Person contacted _____

Contacted by: _____

Regarding _____

Comments: _____

Corrective Action _____

ATC012 S 8

H2M

, INC.

INTERNAL CHAIN OF CUSTODY

24-48 hr verba

CLIENT: ATC DELIVERABLES: BS-70-D TURN AROUND TIME: 21 Day Pkg.SDG #: ATC 012 CASE #: _____ MATRIX: S01 pH CHECK ☒ Y ☐ NREMARKS: 000 ATC 06RECEIVED BY: ISO SIGNATURE: [Signature] DATE: 4/19/06 TIME: 1542

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
APC11-BS-040A	001A	4.19.06	A	3	6010-S-ALG-054) AMP/ST
041A	002A		↓	1	
042A	003A		B		
043A	004A		↓		
044A	005A		↓		
041A	006A		A		
APC11-SS-14B	007A				
14E	008A				
14N	009A				
14S	010A				
14W	011A				
APC11-SW-019X	012A				
020X	013A				
021X	014A				
022X	015A				
023X	016A				
024X	017A		↓		
025X	018A		B		
026X	019A		↓		
027X	020A		↓		

METALS

P 0265

SDG #: ATC012

ΔTCTC12510

APPENDIX B

Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products
 Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: ATC012
 Sampling Date(s): 4/19/2006
 Reviewed By: M. Traxler
 Completion Date: 6/18/2006

Compound List: ☐ TAL ☐ Appendix IX ☒ Other Cd, Ag
 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 Duplicate Results	X			>20 RPD, < 35 RPD
Matrix Spike Results			X	Ag > 125%, post-spike <125%
ICP Serial Dilution			X	Ag > 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 Mark Traxler Date 6/20/06

Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products

Case/SDG Number: ATC012

Project Number: 68.28817.0001

Sample Location or Description	APC11-BS-040A	APC11-BS-040AD	APC11-BS-040AS
Sample Number	0604676-001	0604676-001D	0604676-001S
Sampling Date	4/19/2006	4/19/2006	4/19/2006
Units	mg/kg	mg/kg	mg/kg

	Spike Amount	Sample Result	MD Result	MS Result	MD RPD	Q	MS %R	Q
Cadmium	5.38	1.11	0.80	6.24	32.8		95.3	
Silver	5.38	12.7	16.7	31.7	27.4		354.9	

Q - Qualifier

* - Denotes RPD outside criteria

Inorganic Field Duplicate Precision Worksheet

ATC

Project Name: Peerless Photo Products
Project Number: 68.28817.0001

Case/SDG Number: ATC012

Sample Location or Description	APC11-BS-041A	APC11-SW-941A
Sample Number	0604676-002	0604676-006
Sampling Date	4/19/2006	4/19/2006
Units	mg/kg	mg/kg

	Sample	Field Duplicate	RPD	Q
Cadmium				
Silver	6.0	4.4	30.8	

* - Denotes RPD outside criteria

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		C	M
		C	1	C	2	C	3	C		C		
Silver	0.4	U	0.4	U	0.4	U						P

3
BLANKS

Contract:

Case No.

SDG No.: ATC012

SOIL

MG/KG

[illegible]

ATC010C10

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Prepa- ration Blank C		M
	1	C	2	C	3	C					
Cadmium	0.3	B	0.3	B	0.5	B	0.4	B	0.012	U	P
Silver	0.4	U	0.4	U	1.8	B	5.4	B	0.045	U	P

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-BS-040AS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Cadmium	75-125	6.2366	1.1118	5.38	95.3		P
Silver	75-125	31.7300	12.6504	5.38	354.9	N	P

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-BS-040AA

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Silver		372.05	117.65	240.0	106.0		P

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-BS-040A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 93.0

% Solids for Duplicate: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium	0.5376	1.1118		0.7989		32.8		P
Silver		12.6504		16.6676		27.4	*	P

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

APC11-BS-040A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.: TAMS ED

SDG No.: ATC012

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Cadmium	10.34		9.55	B	7.6		P
Silver	117.65		138.36	B	17.6	E	P

DATA USABILITY REPORT
H2M CASE NO. ATC0013

DATA USABILITY SUMMARY REPORT

FOR

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

REPORTED JUNE 2006

ATC PROJECT NO. 68.28817.0001

PREPARED BY



**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 April 20, 2006 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
METALS
PEERLESS PHOTO PRODUCTS SITE
APRIL 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 two (2) metals (cadmium and silver) and full Metals Target Analyte List (TAL) without cyanide results from the April 20, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case 0604705 included a total of four (4) soil samples, including one (1) sample for limited metals (cadmium and silver) analysis. Case 0604705 also included the TAL Metals for three (3) soil samples, plus 1 Matrix Spike/Matrix Duplicate (MS/MD) pair.

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 quantitation limit (CRQL) 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 H2M Laboratories (H2M), Melville, New York following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 3050B 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 0604705 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 two (2) metals and the full TAL Metals list 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 H2M 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, delivered under a chain of custody record, and received at H2M on the same day. All samples were received intact and in good condition at H2M.

The soil samples were collected and analyzed for total cadmium and silver or the full TAL Metals list following SW-846 Methods 3050B for digestion and 6010B for analysis.

3.0 FINDINGS/QUALIFIERS

The following metals 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 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 0604705 metals results be used with the following qualifiers:

1. All results that were above the Instrument Detection Level (IDL) but less than the CRQL were flagged by the laboratory with a "B". Since these values were less than the CRQL, the results were qualified as estimated (J).
2. The MD relative percent difference (RPD) for calcium exceeded the method requirements of 20%, but not the project Data Quality Objective (DQO) of 35% (20.9%). Therefore, no qualification of calcium results was made due to the MD. The MD was not reported for beryllium, but it was not detected at a level above the IDL.
3. The MS percent recovery for antimony exceeded the control limits of 75-125% (53.3%). The spike recovery indicates possible matrix interference or sample non-homogeneity. The sample was post spiked and reanalyzed, recovering at 93.3%. Antimony data was reported flagged "N" on forms 1 and 5A by the laboratory. The associated antimony result is qualified as undetected at an estimated detection limit (UJ).
4. The MS percent recoveries for iron, lead and silver exceed the control limits of 75-125% (701.6, 191.9 and 1138.1%, respectively). The spike recovery indicates possible matrix interference or sample non-homogeneity. However, the sample concentration exceeded four times

(4X) the spike amount, rendering the spike values unusable. No post spikes were necessary and no qualification of silver results was made due to the MS recovery.

5. The Laboratory Control Sample (LCS) percent recoveries exceeded the control limits of 80-120 % for antimony and lead (68.7 and 73.5%, respectively). Antimony results are already qualified due to a poor MS recovery. All associated lead results are qualified as estimated (J).
6. The ICP serial dilution exceeded the control limit of 10% difference (40.1%) for silver on sample APC11-D-11. Silver data was reported flagged "E" on forms 1 and 9 by the laboratory. All associated silver results are qualified as estimated (J).
7. The ICP serial dilution exceeded the control limit of 10% difference for arsenic, selenium, sodium and thallium (100, 100, 19.2 and 100%, respectively) for the other TAL Metals. However, since the original values of all of these metals were less than 50 times the IDL, the ICP serial dilution for these metals were acceptable. No qualification of data was deemed necessary due to the ICP serial dilution results.

4.0 SUMMARY

The metals and TAL Metals results are acceptable as qualified. Holding times, initial and continuing calibration verification results, CRQL 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 the matrix spike recovery for antimony, laboratory control sample results for antimony and lead, and the ICP serial dilution results for silver 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 - 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

page 1

Site Name Peerless Photo Products
 Project Number 68.28817.0001
 Sampling Date(s) 4/20/2006

Soil (mg/kg)

Laboratory

H2M - Melville, New York

Case/Order #

ATC013

Fraction/Method

Metals / 3050B / 6010B

Sample Location or Description		APC-11-BS-045A																	
Sample Number		0604705-001																	
Sampling Date		4/20/2006																	
Preparation Date		4/24/2006																	
Analysis Date		4/24/2006																	
Percent Solids		92.5																	
RL		P	F	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF
0.50	Cadmium	X		3.0	1														
1.00	Silver	X		3.1 E	J 1														

Sample Location or Description																			
Sample Number																			
Sampling Date																			
Preparation Date																			
Analysis Date																			
Percent Solids																			
RL		P	F	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF	Q	DF
0.50	Cadmium	X																	
1.00	Silver	X																	

P - ICP

F - Flame AA

Q - Qualifier, if any

DF - Dilution Factor

QA Scientist M. Hader DATE 6/25/06

DATA SUMMARY - INORGANIC ANALYTES

page 1

Site Name **Peerless Photo Products**
 Project Number **68.28817.0001**
 Sampling Date(s) **4/20/2006**

Liquid (ug/L)

Laboratory

H2M

Case/Order #

0604705

Fraction/Method

TAL Metals - SW-846 3010A/6010B

Sample Location or Description		APC11-D-11		APC11-D-11D		STOCK-D-11S		APC11-D-12		STOCK-D-13							
Sample Number		0604705-002		0604705-002D		0604705-002S		0604705-003		0604705-004							
Sampling Date		4/20/2006		4/20/2006		4/20/2006		4/20/2006		4/20/2006							
CRDL		P	CV														
20	Aluminum	X		3,980		3,700		-		6,230		1,650					
6	Antimony	X		0.32 UN	UJ	0.32 UN	UJ	53.3%		0.32 UN	UJ	0.31 UN	UJ				
1	Arsenic	X		1.3		1.2		93.7%		1.9		0.44 B	U				
20	Barium	X		347		375		106.0%		19.4 B	U	7.3 B	U				
0.5	Beryllium	X		0.17 B	U	-		102.6%		0.25 B	U	0.11 B	U				
0.5	Cadmium	X		2.8		2.5		100.1%			U	1.0					
500	Calcium	X		423 B	U	343 B	U	-		1,780		54.1 B	U				
1	Chromium	X		8.7		8.2		103.6%		8.3		3.2					
5	Cobalt	X		1.3 B	U	1.3 B	U	98.4%		1.7 B	U	1.4 B	U				
3	Copper	X		39.4		36.4		120.4%		10.8		2.9					
10	Iron	X		4,740		4,480		701.6%		8,400		2,990					
0.3	Lead	X		14.3	J	14.1	J	191.9%		18.8	J	1.2	J				
500	Magnesium	X		487 B	U	442 B	U	-		1,220		380 B	U				
1.5	Manganese	X		38.0		35.2		110.7%		47.1		73.6					
0.02	Mercury		X	0.098		0.097		116.3%		0.072			U				
4	Nickel	X		3.2 B	U	3.0 B	U	95.7%		4.0 B	U	2.0 B	U				
500	Potassium	X		177 B	U	172 B	U	-		232 B	U	159 B	U				
0.5	Selenium	X		0.28 B	U	0.25 B	U	86.1%			U		U				
1	Silver	X		116 E	J	128 E	J	1138.1%		48.3 E	J	14.9 E	J				
500	Sodium	X		18.2 B	U	16.5 B	U	-		37.0 B	U	14.2 B	U				
1	Thallium	X		0.28 B	U		U	90.7%		0.43 B	U		U				
5	Vanadium	X		10.4		9.8		101.0%		12.9		5.1 B					
2	Zinc	X		30.4		29.4		104.1%		22.3		7.0					

APPENDIX A

H2M LABS, INC.

SDG NARRATIVE FOR METALS SAMPLES RECEIVED: 4/20/06 SDG #: ATC013

For Samples:

APC11-BS-045A
APC11-D-11
APC11-D-12
STOCK-D-13

Four soil samples were received by H2M Labs, Inc. on 4/20/06 for select metals analysis.

Samples were prepared and analyzed using EPA method 6010B with a TJA61E trace ICP instrument. Total solids analysis was performed using ASTM D2216.

Sample APC11-D-11 was utilized for QC analysis and reporting.

Spike analysis did not recover within 75-125% for iron, lead and silver. Since the sample values were greater than four times the spike concentration, post spikes and data qualifiers were not required. Antimony spike analysis did not recover within acceptance ranges. The sample was post spiked, reanalyzed and recovered at 93.3%. Antimony data was reported flagged "N" on forms 1 and 5.

ICP serial dilution analysis did not reproduce within acceptance ranges for silver. Silver data was reported flagged "E" on forms 1 and 9.

No other problems were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 1, 2006

* V Stancampiano *

Vincent Stancampiano
Vice President

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

SDG: ATC013

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	ME
APC11-BS-045A	0604705-001	X
APC11-D-11	0604705-002	X
APC11-D-12	0604705-003	X
STOCK-D-13	0604705-004	X

H2M LABS, INC.

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

- E - The reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.
- M - Duplicate injection precision not met.
- N - Matrix spike sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

- B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

- P - Analyzed by ICP.
- M - Analyzed by ICP-MS
- A - Analyzed by Flame AA.
- F - Analyzed by Furnace AA.
- CV - Analyzed by Manual Cold Vapor techniques.
- AV - Analyzed by Automated Cold Vapor techniques.
- C - Analyzed by Manual Spectrophotometric Method.
- CA - Analyzed by Midi-distillation Spectrophotometric Method.
- NR - Analyte not Required.

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-045A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLab Sample ID: 0604705-001Level (low/med): LOWDate Received: 4/20/2006% Solids: 92.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.0			P
7440-22-4	Silver	3.1		E	P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-D-11

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLab Sample ID: 0604705-002Level (low/med): LOWDate Received: 4/20/2006% Solids: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3980			P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	347			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium	423	B		P
7440-47-3	Chromium	8.7			P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	39.4			P
7439-89-6	Iron	4740			P
7439-92-1	Lead	14.3			P
7439-95-4	Magnesium	487	B		P
7439-96-5	Manganese	38.0			P
7439-97-6	Mercury	0.098			CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	177	B		P
7782-49-2	Selenium	0.28	B		P
7440-22-4	Silver	116		E	P
7440-23-5	Sodium	18.2	B		P
7440-28-0	Thallium	0.28	B		P
7440-62-2	Vanadium	10.4			P
7440-66-6	Zinc	30.4			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-D-12

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLab Sample ID: 0604705-003Level (low/med): LOWDate Received: 4/20/2006% Solids: 91.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6230			P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	1.9			P
7440-39-3	Barium	19.4	B		P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	0.013	U		P
7440-70-2	Calcium	1780			P
7440-47-3	Chromium	8.3			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	10.8			P
7439-89-6	Iron	8400			P
7439-92-1	Lead	18.8			P
7439-95-4	Magnesium	1220			P
7439-96-5	Manganese	47.1			P
7439-97-6	Mercury	0.072			CV
7440-02-0	Nickel	4.0	B		P
7440-09-7	Potassium	232	B		P
7782-49-2	Selenium	0.21	U		P
7440-22-4	Silver	48.3		E	P
7440-23-5	Sodium	37.0	B		P
7440-28-0	Thallium	0.43	B		P
7440-62-2	Vanadium	12.9			P
7440-66-6	Zinc	22.3			P

Color Before: BROWN Clarity Before: Texture: FINEColor After: YELLOW Clarity After: CLEARArtifacts:

Comments:

Date Reported: 4/26/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

STOCK-D-13

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLab Sample ID: 0604705-004Level (low/med): LOWDate Received: 4/20/2006% Solids: 95.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1650			P
7440-36-0	Antimony	0.31	U	N	P
7440-38-2	Arsenic	0.44	B		P
7440-39-3	Barium	7.3	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	1.0			P
7440-70-2	Calcium	54.1	B		P
7440-47-3	Chromium	3.2			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	2.9			P
7439-89-6	Iron	2990			P
7439-92-1	Lead	1.2			P
7439-95-4	Magnesium	380	B		P
7439-96-5	Manganese	73.6			P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	159	B		P
7782-49-2	Selenium	0.20	U		P
7440-22-4	Silver	14.9		E	P
7440-23-5	Sodium	14.2	B		P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	5.1	B		P
7440-66-6	Zinc	7.0			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 4/26/06

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG: ATC013

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	Date Recd at Lab	Date Analyzed
0604705-001	APC11-BS-045A	SOIL	AG,CD,	20-Apr-06	04/06
0604705-002	APC11-D-11	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	20-Apr-06	04/06
0604705-002DUP	APC11-D-11D	SOIL	AG,AL,AS,B,BA,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	20-Apr-06	04/06
0604705-002MS	APC11-D-11S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	20-Apr-06	04/06
0604705-003	APC11-D-12	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	20-Apr-06	04/06
0604705-004	STOCK-D-13	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	20-Apr-06	04/06

H2M LABS, INC.

16377

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: ATC

H2M SDG NO: ATC013

PROJECT NAME/NUMBER

SHOREHAM REMEDIATION

SAMPLERS: (signature)/Client

ATC ASSOC.

DELIVERABLES:

B5-70D

TURNAROUND TIME:

Sample Container
Description

Total No. of
Containers

ANALYSIS REQUESTED

ORGANIC

INORG.

VOA

BNA

Pea/

PCB

Metals

*Metal

CN

NOTES:

* Total
Ag + Cd

** TCL
METALS

IN 80L W/ DATA PKG.

Project Contact:

COLIN CHAMBERS

Phone Number:

609-571-7519

PI8/Quote#

906

DATE TIME MATRIX

FIELD I.D.

LAB I.D. NO.

REMARKS:

4/19/06 13:25 80IL APC11-B5-045A

4/20/06 09:00 80IL APC11-D-11

4/20/06 10:00 80IL APC11-D-12

4/20/06 11:00 80IL STOCK-D-13

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

LABORATORY USE ONLY

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Discrepancies Between
Sample Labels and
COC Record? Y or N
Explain:

Samples were:

1. Shipped ☐ or Hand Delivered ☐ Airbill#
2. Ambient or chilled, Temp
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:

1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

Sample Receipt Checklist

Client Name ATC

Date and Time Receive

4/20/2006 1:10:00 PM

Work Order Numbe 0604705

Received by PS

Checklist completed b

Signature

Date

Reviewed by

Initials

Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Applicable ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Applicable ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Applicable ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted?

Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

ATC 013

C.

INTERNAL CHAIN OF CUSTODY

CLIENT: ATC DELIVERABLES: B5-70D TURN AROUND TIME: 24-48hr Verbal

SDG #: ATC013 CASE #: _____ MATRIX: Soil pH CHECK Y or N Y

REMARKS: PIS # 020 ATC 06

RECEIVED BY: PS SIGNATURE: [Signature] DATE: 20/06 TIME: 13:10

[illegible]

METALS

P 0271

NT: ATC

ATC013

[illegible]

P 0272

APPENDIX B

Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products
 Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: ATC013
 Sampling Date(s): 4/20/2006
 Reviewed By: M. Traxler
 Completion Date: 6/25/2006

Compound List: ☐ TAL ☐ Appendix IX ☒ Other Cd, Ag
 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 Duplicate Results	X			< 35 RPD
Matrix Spike Results	X			75 - 125 %R
ICP Serial Dilution			X	Ag > 10 RPD
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results		X		There was no FD
Sample Result Verification	X			Cadmium and Silver
Other:				

General Comments:

NA - Not applicable
 NR - Not reviewed

QA Scientist

Mark Traxler

Date

6/25/06

Inorganic Data Validation Summary

ATC

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

Case No./SDG: 0604705
 Sampling Date(s): 4/20/2006
 Reviewed By: M. Traxler
 Completion Date: 6/25/2006

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	Antimony and lead results qualified
Matrix Spike Results			X	Antimony results qualified
Laboratory Duplicate Results	X			< 35 RPD
ICP Serial Dilution			X	Silver > 10 RPD
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results		X		< 50 RPD (No FD)
Sample Result Verification	X			
Other:				

General Comments:

NA - Not applicable
 NR - Not reviewed

QA Scientist

Mark Traxler

Date

6/25/06

Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products

Case/SDG Number: ATC013

Project Number: 68.28817.0001

Sample Location or Description
Sample Number
Sampling Date
Units

APC11-D-11	APC11-D-11D	APC11-D-11S
0604705-002	0604705-002D	0604705-002S
4/20/2006	4/20/2006	4/20/2006
mg/kg	mg/kg	mg/kg

Spike
Amount

Sample Result

MD Result

MS Result

					MD RPD	Q	MS %R	Q
Aluminum	-	3,980	3,700	NT	7.2		-	
Antimony	55.7			29.7	-		53.3	*
Arsenic	4.45	1.3	1.2	5.5	6.8		93.7	
Barium	223	347	375	583	7.6		106.0	
Beryllium	5.57	0.17	NT	5.88	-		102.6	
Cadmium	5.57	2.8	2.5	8.4	10.5		100.1	
Calcium	-	423	343	NT	20.9	*	-	
Chromium	22.3	8.7	8.2	31.8	5.9		103.6	
Cobalt	55.7	1.3	1.3	56.1	4.0		98.4	
Copper	27.8	39.4	36.4	72.9	7.9		120.4	
Iron	111	4,740	4,480	5,520	5.7		701.6	*
Lead	2.23	14.3	14.1	18.6	1.3		191.9	*
Magnesium	-	487	442	NT	9.6		-	
Manganese	55.7	38.0	35.2	99.6	7.8		110.7	
Mercury	0.19	0.098	0.097	0.314	0.8		116.3	
Nickel	55.7	3.2	3.0	56.5	5.0		95.7	
Potassium	-	177	172	NT	2.7		-	
Selenium	1.11	0.28	0.25	1.24	12.1		86.1	
Silver	5.57	116	128	180	9.3		1138.1	*
Sodium	-	18.2	16.5	NT	9.7		-	
Thallium	5.57	0.28		5.33	-		90.7	
Vanadium	55.7	10.4	9.8	66.6	5.1		101.0	
Zinc	55.7	30.4	29.4	88.3	3.4		104.1	

NT - Not Tested

Q - Qualifier

* - Denotes RPD outside criteria

U.S. EPA - CLP

3
BLANKSLab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	9.9	U	9.9	U	9.9	U	31.3	B	0.992	U	P
Antimony	2.9	U	2.9	U	2.9	U	2.9	U	0.292	U	P
Arsenic	1.8	U	1.8	U	1.8	U	1.8	U	-0.238	B	P
Barium	1.5	U	1.5	U	1.5	U	1.5	U	0.151	U	P
Beryllium	0.2	U	0.2	U	0.2	U	0.3	B	0.023	U	P
Cadmium	0.1	B	0.1	U	0.2	B	0.3	B	0.012	U	P
Calcium	7.4	U	11.8	B	8.6	B	22.8	B	1.890	B	P
Chromium	0.3	U	0.3	U	0.3	U	0.3	U	0.034	U	P
Cobalt	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.370	B	P
Iron	17.8	U	17.8	U	17.8	U	41.5	B	1.776	U	P
Lead	1.1	U	1.1	U	1.1	U	1.1	U	0.133	B	P
Magnesium	8.2	U	8.2	U	8.2	U	13.9	B	0.823	U	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.038	U	P
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.104	U	P
Potassium	47.5	B	32.0	B	35.1	B	39.7	B	3.430	B	P
Selenium	1.9	U	1.9	U	1.9	U	1.9	U	0.191	U	P
Silver	-0.6	B	0.4	U	0.4	U	0.4	U	-0.081	B	P
Sodium	15.0	U	15.0	U	16.9	B	88.4	B	1.498	U	P
Thallium	2.4	U	2.4	U	2.4	U	2.4	U	0.242	U	P
Vanadium	1.4	U	1.4	U	1.4	U	1.4	U	0.136	U	P
Zinc	-2.4	B	-2.3	B	-2.4	B	1.4	U	0.413	B	P

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC013

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
		C	1	C	2	C	3	C		C	
Antimony	2.9	U	2.9	U	2.9	U					P

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC013

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
		C	1	C	2	C	3	C		C	
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC013

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Mercury			0.1	U							CV

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-D-11S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	29.6875	0.3249 U	55.68	53.3	N	P
Arsenic	75-125	5.4963	1.3221	4.45	93.7		P
Barium	75-125	583.3274	347.1459	222.72	106.0		P
Beryllium	75-125	5.8831	0.1682 B	5.57	102.6		P
Cadmium	75-125	8.3641	2.7929	5.57	100.1		P
Chromium	75-125	31.8018	8.7327	22.27	103.6		P
Cobalt	75-125	56.1114	1.3207 B	55.68	98.4		P
Copper	75-125	72.9143	39.4053	27.84	120.4		P
Iron		5522.9020	4741.6047	111.36	701.6		P
Lead		18.5733	14.2999	2.23	191.9		P
Manganese	75-125	99.6437	38.0234	55.68	110.7		P
Mercury	75-125	0.3137	0.0978	0.19	116.3		CV
Nickel	75-125	56.4599	3.1726 B	55.68	95.7		P
Selenium	75-125	1.2359	0.2776 B	1.11	86.1		P
Silver		179.8143	116.4472	5.57	1138.1		P
Thallium	75-125	5.3332	0.2817 B	5.57	90.7		P
Vanadium	75-125	66.5601	10.3508	55.68	101.0		P
Zinc	75-125	88.3307	30.3864	55.68	104.1		P

Sb results are qualified *not* 6/28/06
 Fe, Pb, Ag results >4X spike amount

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-D-11A

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC013

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony		112.00 B	2.92 U	120.0	93.3		P

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-D-11

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 89.8% Solids for Duplicate: 89.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		3975.9343		3698.2071		7.2		P
Antimony		0.3249	U	0.3249	U			P
Arsenic	1.1136	1.3221		1.2352		6.8		P
Barium		347.1459		374.6503		7.6		P
Cadmium	0.5568	2.7929		2.5134		10.5		P
Calcium	556.7929	423.1793	B	343.0702	B	20.9		P
Chromium		8.7327		8.2339		5.9		P
Cobalt	5.5679	1.3207	B	1.2684	B	4.0		P
Copper		39.4053		36.4065		7.9		P
Iron		4741.6047		4478.6559		5.7		P
Lead		14.2999		14.1157		1.3		P
Magnesium	556.7929	486.8029	B	442.4165	B	9.6		P
Manganese		38.0234		35.1849		7.8		P
Mercury	0.0371	0.0978		0.0971		0.8		CV
Nickel	4.4543	3.1726	B	3.0189	B	5.0		P
Potassium	556.7929	176.7528	B	171.9755	B	2.7		P
Selenium	0.5568	0.2776	B	0.2460	B	12.1		P
Silver		116.4472		127.8251		9.3		P
Sodium	556.7929	18.1526	B	16.4688	B	9.7		P
Thallium	1.1136	0.2817	B	0.2690	U	200.0		P
Vanadium	5.5679	10.3508		9.8396		5.1		P
Zinc		30.3864		29.3619		3.4		P

NOT
6/25/06

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013

Solid LCS Source:

ERA

Aqueous LCS Source:

MV Labs/High Purity

Analyte	Aqueous (ug/L)			Solid (mg/kg)				%R
	True	Found	%R	True	Found	C	Limits	
Aluminum				7730.0	6980.3	4469.5	10999.8	90.3
Antimony				60.6	41.7	5.7	135.0	68.7
Arsenic				257.0	242.8	205.1	308.9	94.5
Barium				472.0	486.7	387.0	557.0	103.1
Beryllium				88.4	88.8	72.5	104.0	100.4
Cadmium				117.0	118.1	95.4	138.6	100.9
Calcium				3640.0	3333.5	2879.2	4400.8	91.6
Chromium				72.8	68.3	57.2	88.4	93.8
Cobalt				82.5	81.3	67.5	97.5	98.5
Copper				100.0	101.6	82.6	118.0	101.6
Iron				14500.0	10662.4	7337.0	21605.0	73.5
Lead				166.0	160.3	134.0	198.0	96.6
Magnesium				3000.0	2775.8	2310.0	3690.0	92.5
Manganese				374.0	352.3	298.8	449.2	94.2
Nickel				103.0	96.7	84.0	122.0	93.9
Silver				123.0	126.4	75.3	171.0	102.7

Sb, Pb results are qualitative
MT
6/25/06

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

APC11-D-11

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC013Matrix (soil/water): SOILLevel (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum	35703.89		36267.30		1.6		P
Antimony	2.92	U	14.59	U			P
Arsenic	11.87		8.84	U	100.0		P
Barium	3117.37		3146.40	B	0.9		P
Beryllium	1.51	B	1.45	B	4.0		P
Cadmium	25.08		25.10	B	0.1		P
Calcium	3800.15	B	3865.35	B	1.7		P
Chromium	78.42		77.20	B	1.6		P
Cobalt	11.86	B	12.10	B	2.0		P
Copper	353.86		352.10	B	0.5		P
Iron	42579.61		43003.20		1.0		P
Lead	128.41		131.09		2.1		P
Magnesium	4371.49	B	4464.35	B	2.1		P
Manganese	341.45		343.35	B	0.6		P
Nickel	28.49	B	27.65	B	2.9		P
Potassium	1587.24	B	1662.60	B	4.7		P
Selenium	2.49	B	9.55	U	100.0		P
Silver	1045.70		1464.66		40.1	E	P
Sodium	163.01	B	131.65	B	19.2		P
Thallium	2.53	B	12.08	U	100.0		P
Vanadium	92.95		92.35	B	0.6		P
Zinc	272.87		281.80	B	3.3		P

Ag results are qualified.
Others are <50X IDL.
MT 6/25/06

U.S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (SEMI ANNUALLY)

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: ATC013

ICP ID Number:

TJA61EA

Date:

3/15/2006

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.21		200.0	9.9	P
Antimony	206.84		60.0	2.9	P
Arsenic	189.04		10.0	1.8	P
Barium	493.41		200.0	1.5	P
Beryllium	313.04		5.0	0.2	P
Cadmium	226.50		5.0	0.1	P
Calcium	317.93		5000.0	7.4	P
Chromium	267.62		10.0	0.3	P
Cobalt	228.62		50.0	1.2	P
Copper	324.75		25.0	1.0	P
Iron	259.90		100.0	17.8	P
Lead	220.35		3.0	1.1	P
Magnesium	279.08		5000.0	8.2	P
Manganese	257.61		15.0	0.4	P
Nickel	231.60		40.0	1.0	P
Potassium	766.49		5000.0	16.0	P
Selenium	196.03		5.0	1.9	P
Silver	328.07		10.0	0.4	P
Sodium	588.90		5000.0	15.0	P
Thallium	190.86		10.0	2.4	P
Vanadium	292.40		50.0	1.4	P
Zinc	213.86		20.0	1.4	P

Comments:

DATA USABILITY REPORT

H2M CASE NO. ATC0014

DATA USABILITY SUMMARY REPORT

FOR

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

REPORTED JUNE 2006

ATC PROJECT NO. 68.28817.0001

PREPARED BY



**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 April 25, 2006 for the Peerless Photo Products Site are acceptable for its intended use in the subject investigation.

A handwritten signature in black ink, reading "Mark Traxler". The signature is written in a cursive style with a horizontal line underneath it.

Mark Traxler
Senior Quality Assurance Scientist

**DATA USABILITY SUMMARY
METALS
PEERLESS PHOTO PRODUCTS SITE
APRIL 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 two (2) metals (cadmium and silver) results from the April 25, 2006 soil sampling event at the Peerless Photo Products site in Shorham, New York. Case 0604840 included a total of 17 soil samples, including 1 set of field duplicate samples, plus 1 Matrix Spike/Matrix Duplicate (MS/MD) pair for limited metals (cadmium and silver) analysis. Case 0604840 also included the full Metals Target Analyte List (TAL) without cyanide for one (1) of the soil samples, APC-11-D-14.

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 quantitation limit (CRQL) 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 H2M Laboratories (H2M), Melville, New York following United States Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste*, Update III, 1996 (SW-846) Methods 3050B 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 0604840 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 two (2) metals that were analyzed (and the full TAL Metals list for one [1] sample). 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 H2M 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, delivered under a chain of custody record, and received at H2M on the same day. All samples were received intact and in good condition at H2M.

The soil samples were collected and analyzed for total cadmium and silver (or the full TAL Metals list for one [1] sample) following SW-846 Methods 3050B for digestion and 6010B for analysis.

3.0 FINDINGS/QUALIFIERS

The following metals 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 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 0604840 metals results be used with the following qualifiers:

1. All results that were above the IDL but less than the CRQL were flagged by the laboratory with a "B". Since these values were less than the CRQL, the results were qualified as estimated (J).
2. The MD relative percent difference (RPD) for cadmium exceeded the method requirements of 20% and the project Data Quality Objective (DQO) of 35% (51.6%). However, the results were less than five times (<5X) the CRQL. Therefore, no qualification of cadmium results was made due to the MD. For the TAL Metals sample, the MD RPD for cobalt, manganese, selenium and thallium exceeded the method requirements of 20% and the project Data Quality Objective (DQO) of 35% (84.0, 109, 200 and 200%, respectively). However, the results were less than five times (<5X) the CRQL for selenium and thallium. Therefore, no qualifications of selenium and thallium results were made due to the MD. Results for cobalt and manganese were qualified with "*" on forms 1 and 6. The cobalt result was qualified as undetected at an estimated detection limit (UJ) and the manganese result was qualified as estimated (J).
3. The MD RPD for silver exceeded the method requirements of 20%, but not the project DQO of 35% (24.0%). Therefore, no qualification of silver

results was made due to the MD. For the TAL Metals sample, the MD RPD for copper and nickel exceeded the method requirements of 20%, but not the project Data Quality Objective (DQO) of 35% (29.4 and 23.6%, respectively). However, the results were less than five times (<5X) the CRQL for copper and nickel. Therefore, no qualifications of copper and nickel results were made due to the MD.

4. The MS percent recovery for antimony exceeded the control limits of 75-125% (45.2%). The spike recovery indicates possible matrix interference or sample non-homogeneity. The sample was post spiked and reanalyzed, recovering at 90.7%. Antimony data was reported flagged "N" on forms 1 and 5A by the laboratory. The associated antimony result is qualified as undetected at an estimated detection limit (UJ).
5. The field duplicate results for cadmium exceeded the project DQO of 50%. However, the results were <5X the CRQL. Therefore, no qualification of cadmium results was made due to the field duplicate.
6. The ICP serial dilution was acceptable for silver, but exceeded the control limit of 10% difference for cadmium (17.9%) on sample 0604840-001. Also, the ICP serial dilution exceeded the control limit of 10% difference for arsenic, lead, potassium, selenium, sodium and thallium (15.3, 11.9, 10.9, 100, 100 and 100%, respectively) for the other TAL Metals. Potassium data was reported flagged "E" on forms 1 and 9 by the laboratory. However, since the original values of all of these metals were less than 50 times the Instrument Detection Limit (IDL), the ICP serial dilution for these metals were acceptable. No qualification of data was deemed necessary due to the ICP serial dilution results.

4.0 SUMMARY

The metals (and TAL Metals) results are acceptable as qualified. Holding times, initial and continuing calibration verification results, CRQL 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 the matrix spike recovery for antimony and the laboratory duplicate differences for cobalt and manganese 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 - 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

page 1

Site Name Peerless Photo Products
 Project Number 68.28817.0001
 Sampling Date(s) 4/25/2006

Soil (mg/kg)

Laboratory

H2M - Melville, New York

Case/Order #

ATC014

Fraction/Method

Metals / 3050B / 6010B

	Sample Location or Description			APC-11-BS-051Y			APC-11-BS-051YD			APC-11-BS-051YS			APC-11-BS-052Y			APC-11-BS-053Y			APC-11-BS-054Y			APC-11-BS-055Y			APC-11-BS-952Y			APC-11-D-14			APC-11-SW-001Y										
	Sample Number			0604840-001			0604840-001D			0604840-001S			0604840-002			0604840-003			0604840-004			0604840-005			0604840-006			0604840-007			0604840-008										
	Sampling Date			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006										
	Preparation Date			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006										
	Analysis Date			4/26/2006			4/26/2006			4/26/2006			4/26/2006			4/26/2006			4/26/2006			4/26/2006			4/26/2006			4/26/2006			4/26/2006										
	Percent Solids			95.2			95.0			95.2			82.7			87.9			93.8			90.9			86.5			86.8			89.2										
RL		P	F	Q			DF			Q			DF			Q			DF			Q			DF			Q			DF			Q			DF				
0.50	Cadmium	X		0.20	B	J	1	0.12	B	J	1	97.2%		1	0.59	B	J	1	0.056	B	J	1		U	1	0.062	B	J	1	0.23	B	J	1	0.16	B	J	1	0.070	B	J	1
1.00	Silver	X		1.21			1	0.95	B	J	1	93.4%		1	39.5		1	4.9		1	0.14	B	J	1	4.8		1	28.6		1	76.2		1	6.7		1					

Sample Location or Description	APC-11-SW-003Y	APC-11-SW-006Y	APC-11-SW-007Y	APC-11-SW-008Y	APC-11-SW-013Y	APC-11-SW-019Y	APC-11-SW-020Y	APC-11-SW-021Y	APC-11-SW-022Y	
Sample Number	0604840-009	0604840-010	0604840-011	0604840-012	0604840-013	0604840-014	0604840-015	0604840-016	0604840-017	
Sampling Date	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	
Preparation Date	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	4/25/2006	
Analysis Date	4/26/2006	4/26/2006	4/26/2006	4/26/2006	4/26/2006	4/26/2006	4/26/2006	4/26/2006	4/26/2006	
Percent Solids	87.1	88.3	82.7	83.0	85.2	82.1	88.0	71.1	80.5	
RL	P F	Q DF	Q DF	Q DF	Q DF	Q DF	Q DF	Q DF	Q DF	Q DF
0.50	Cadmium X	0.14 B J 1	1.6 1	0.22 B J 1	0.23 B J 1	0.69 1	0.091 B J 1	0.19 B 1	0.079 B J 1	0.25 B J 1
1.00	Silver X	37.7 1	137 1	87.0 1	126 1	137 1	155 1	140 1	49.7 1	3.4 1

P - ICP

F - Flame AA

Q - Qualifier, if any

DF - Dilution Factor

DATA SUMMARY - INORGANIC ANALYTES

page 1

Site Name **Peerless Photo Products**
 Project Number **68.28817.0001**
 Sampling Date(s) **4/25/2006**

Liquid (ug/L) Laboratory **H2M**
 Case/Order # **604840**
 Fraction/Method **TAL Metals - SW-846 3010A/6010B**

Sample Location or Description	APC11-D-14																			
Sample Number	0604840-007																			
Sampling Date	4/25/2006																			

IDL/CRDL		P	Hg																	
20	Aluminum	X	9,420																	
1	Antimony	X		UJ																
1	Arsenic	X	2.6																	
20	Barium	X	29.5																	
0.5	Beryllium	X	0.33 B	J																
0.5	Cadmium	X	0.16 B	J																
500	Calcium	X	1340																	
1	Chromium	X	10.9																	
5	Cobalt	X	3.7 B*	J																
2.5	Copper	X	8.3																	
10	Iron	X	10,800																	
1	Lead	X	10.1																	
500	Magnesium	X	1,580																	
1.5	Manganese	X	92.5	J																
0.03	Mercury	X	0.048																	
4	Nickel	X	5.5																	
500	Potassium	X	312 BE	J																
1	Selenium	X		U																
1	Silver	X	76.2																	
500	Sodium	X	33.8 B	J																
1	Thallium	X		U																
5	Vanadium	X	17.7																	
2	Zinc	X	21.5																	

APPENDIX A

H2M LABS, INC.

SDG NARRATIVE FOR METALS SAMPLES RECEIVED: 4/25/06 SDG #: ATC014

Page 1 of 2

For Samples:

APC11-BS-051Y MS/MSD	APC11-D-14	APC11-SW-013Y
APC11-BS-052Y	APC11-SW-001Y	APC11-SW-019Y
APC11-BS-053Y	APC11-SW-003Y	APC11-SW-020Y
APC11-BS-054Y	APC11-SW-006Y	APC11-SW-021Y
APC11-BS-055Y	APC11-SW-007Y	APC11-SW-022Y
APC11-BS-952Y	APC11-SW-008Y	

The above soil samples were received by H2M Labs, Inc. on 4/25/06 for analysis of the cadmium and silver. In addition, all TCL metals (without cyanide) were to be analyzed for sample APC11-BS-051Y. Samples were prepared and analyzed using EPA method 6010B with a TJA61E trace ICP instrument.

Sample APC11-BS-051Y was utilized for QC analysis and reporting. The following parameters did not meet the acceptance limits:

- The sample spike recovery for antimony was outside the QC limits. Data for antimony were flagged with the "N" qualifier on Forms 1 and 5A.
- The post spike recovery was within the acceptance limits.
- The RPDs for the duplicates exceeded the acceptance limits for cobalt and manganese. Results for the two analytes were qualified with "*" on Forms 1 and 6.
- In the serial dilution analysis of the sample, %D for potassium exceeded the acceptance range, and all potassium results were flagged with the qualifier "E" on Forms 1 and 9.

The wavelengths for low levels of iron and sodium were originally not analyzed for sample APC11-BS-051Y. The sample was therefore re-digested and reanalyzed for sodium, together with a new preparation blank. Since the iron concentration in the sample was high, that result is reported from the first analysis.

No other problems were noted during the analysis of this sample group.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: ATC014

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	ME
APC11-BS-051Y	0604840-001	X
APC11-BS-052Y	0604840-002	X
APC11-BS-053Y	0604840-003	X
APC11-BS-054Y	0604840-004	X
APC11-BS-055Y	0604840-005	X
APC11-BS-952Y	0604840-006	X
APC11-D-14	0604840-007	X
APC11-SW-001Y	0604840-008	X
APC11-SW-003Y	0604840-009	X
APC11-SW-006Y	0604840-010	X
APC11-SW-007Y	0604840-011	X
APC11-SW-008Y	0604840-012	X
APC11-SW-013Y	0604840-013	X
APC11-SW-019Y	0604840-014	X
APC11-SW-020Y	0604840-015	X
APC11-SW-021Y	0604840-016	X
APC11-SW-022Y	0604840-017	X

CLP, ~~Non-CLP~~ (Please indicate year of protocol) ASP 10195 B
TCL/TAL, HSL, Priority Pollutant,

JSW 51106

ATC014 S 3

H2M LABS, INC.

SDG NARRATIVE FOR METALS
SAMPLES RECEIVED: 4/25/06
SDG #: ATC014

Page 2 of 2

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 1, 2006

*
*
*

Ursula Middel
Technical Manager

ATC014 S 13

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

- E - The reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.
- M - Duplicate injection precision not met.
- N - Matrix spike sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- + - Correlation coefficient for the MSA is less than 0.995
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

- B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
- U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

- P - Analyzed by ICP.
- M - Analyzed by ICP-MS
- A - Analyzed by Flame AA.
- F - Analyzed by Furnace AA.
- CV - Analyzed by Manual Cold Vapor techniques.
- AV - Analyzed by Automated Cold Vapor techniques.
- C - Analyzed by Manual Spectrophotometric Method.
- CA - Analyzed by Midi-distillation Spectrophotometric Method.
- NR - Analyte not Required.

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-051Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-001Level (low/med): LOWDate Received: 4/25/2006% Solids: 95.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.20	B		P
7440-22-4	Silver	1.2			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-052Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-002Level (low/med): LOWDate Received: 4/25/2006% Solids: 82.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.59	B		P
7440-22-4	Silver	39.5			P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-053Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-003Level (low/med): LOWDate Received: 4/25/2006% Solids: 87.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.056	B		P
7440-22-4	Silver	4.9			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-054Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-004Level (low/med): LOWDate Received: 4/25/2006% Solids: 93.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.013	U		P
7440-22-4	Silver	0.14	B		P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-055Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-005Level (low/med): LOWDate Received: 4/25/2006% Solids: 90.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.062	B		P
7440-22-4	Silver	4.8			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-BS-952Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-006Level (low/med): LOWDate Received: 4/25/2006% Solids: 86.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.23	B		P
7440-22-4	Silver	28.6			P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-D-14

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-007Level (low/med): LOWDate Received: 4/25/2006% Solids: 86.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9420			P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	29.5			P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.16	B		P
7440-70-2	Calcium	1340			P
7440-47-3	Chromium	10.9			P
7440-48-4	Cobalt	3.7	B	*	P
7440-50-8	Copper	8.3			P
7439-89-6	Iron	10800			P
7439-92-1	Lead	10.1			P
7439-95-4	Magnesium	1580			P
7439-96-5	Manganese	92.5		*	P
7439-97-6	Mercury	0.048			CV
7440-02-0	Nickel	5.5			P
7440-09-7	Potassium	312	B	E	P
7782-49-2	Selenium	0.22	U		P
7440-22-4	Silver	76.2			P
7440-23-5	Sodium	33.8	B		P
7440-28-0	Thallium	0.28	U		P
7440-62-2	Vanadium	17.7			P
7440-66-6	Zinc	21.5			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-001Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-008Level (low/med): LOWDate Received: 4/25/2006% Solids: 89.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.070	B		P
7440-22-4	Silver	6.7			P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-003Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-009Level (low/med): LOWDate Received: 4/25/2006% Solids: 87.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.14	B		P
7440-22-4	Silver	37.7			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEARArtifacts:

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-006Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-010Level (low/med): LOWDate Received: 4/25/2006% Solids: 88.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.6			P
7440-22-4	Silver	137			P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-007Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-011Level (low/med): LOWDate Received: 4/25/2006% Solids: 82.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.22	B		P
7440-22-4	Silver	87.0			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-008Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-012Level (low/med): LOWDate Received: 4/25/2006% Solids: 83.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.23	B		P
7440-22-4	Silver	126			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-013Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-013Level (low/med): LOWDate Received: 4/25/2006% Solids: 85.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.69			P
7440-22-4	Silver	137			P

Color Before: BROWN

Clarity Before: _____

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-019Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-014Level (low/med): LOWDate Received: 4/25/2006% Solids: 82.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.091	B		P
7440-22-4	Silver	155			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-020Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-015Level (low/med): LOWDate Received: 4/25/2006% Solids: 88.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.19	B		P
7440-22-4	Silver	140			P

Color Before: BROWN Clarity Before: Texture: FINEColor After: YELLOW Clarity After: CLEARArtifacts:

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

APC11-SW-021Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-016Level (low/med): LOWDate Received: 4/25/2006% Solids: 71.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.079	B		P
7440-22-4	Silver	49.7			P

Color Before: BROWN

Clarity Before:

Texture: FINEColor After: YELLOWClarity After: CLEAR

Artifacts:

Comments:

Date Reported: 5/1/06

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

APC11-SW-022Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLab Sample ID: 0604840-017Level (low/med): LOWDate Received: 4/25/2006% Solids: 80.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.25	B		P
7440-22-4	Silver	3.4			P

Color Before: BROWN Clarity Before: _____Texture: FINEColor After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/1/06

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : ATC014

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	Date Recd at Lab	Date Analyzed
0604840-001	APC11-BS-051Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-001DUP	APC11-BS-051YD	SOIL	AG,CD,	25-Apr-06	04/06
0604840-001MS	APC11-BS-051YS	SOIL	AG,CD,	25-Apr-06	04/06
0604840-002	APC11-BS-052Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-003	APC11-BS-053Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-004	APC11-BS-054Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-005	APC11-BS-055Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-006	APC11-BS-952Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-007	APC11-D-14	SOIL	AG,CD,	25-Apr-06	04/06
0604840-008	APC11-SW-001Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-009	APC11-SW-003Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-010	APC11-SW-006Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-011	APC11-SW-007Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-012	APC11-SW-008Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-013	APC11-SW-013Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-014	APC11-SW-019Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-015	APC11-SW-020Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-016	APC11-SW-021Y	SOIL	AG,CD,	25-Apr-06	04/06
0604840-017	APC11-SW-022Y	SOIL	AG,CD,	25-Apr-06	04/06

H2M LABS, INC.

16378

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: ATC ASSOCIATES

H2M SDG NO: ATC 014

PROJECT NAME/NUMBER

SHOREHAM REMEDIATION

SAMPLERS: (signature)/Client

[Signature] / ATC ASSOCIATES

DELIVERABLES:

BS-70D

TURNAROUND TIME:

24-48 HR V. - 21 DAY PK-G

Sample Container Description

Total No. of Containers

ANALYSIS REQUESTED

ORGANIC

INORG.

VOA

BNA

Pea/ PCB

Metal

CN

NOTES:

* Total Cd + Ag

Project Contact:

COLIN CHAMBERS

Phone Number:

609-571-7519

PIS/Quote #

906

DATE TIME MATRIX

FIELD I.D.

4/25/06 09:35 SOIL

APCII-BS-051Y

4/25/06 09:38 SOIL

APCII-BS-952Y

4/25/06 09:40 SOIL

APCII-BS-052Y

4/25/06 10:02 SOIL

APCII-BS-053Y

4/25/06 10:07 SOIL

APCII-BS-054Y

4/25/06 10:25 SOIL

APCII-BS-055Y

4/25/06 09:15 SOIL

APCII-SW-019Y

4/25/06 09:20 SOIL

APCII-SW-020Y

4/25/06 09:25 SOIL

APCII-SW-021Y

4/25/06 09:30 SOIL

APCII-SW-022Y

LAB I.D. NO.

REMARKS:

0604840-001

MS/MSD F

-006

-002

-003

-004

-005

-014

-015

-016

-017

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

LABORATORY USE ONLY

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Discrepancies Between Sample Labels and COC Record? Y or N Explain:

Samples were:

1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled, Temp _____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:

1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

ATC014 S 6 - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

16379

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: ATC ASSOCIATES

H2M SDG NO: ATC014

PROJECT NAME/NUMBER

SHOREHAM REMEDIATION

SAMPLERS: (signature)/Client

ATC ASSOCIATES

DELIVERABLES:

B5-70D

TURNAROUND TIME:

24-48 HR V. - 21 DAY PKG.

DATE	TIME	MATRIX	FIELD I.D.	Total ↓	ANALYSIS REQUESTED										LAB I.D. NO.	REMARKS:
					VOA	BNA	Pea/ PCB					NETAL	*Metal	CN		
4/25/06	10:00	SOIL	APC11-SW-001Y	1									X		0604840-008	
4/25/06	09:50	SOIL	APC11-SW-013Y	1									X		-013	
4/25/06	10:05	SOIL	APC11-SW-003Y	1									X		-009	
4/25/06	10:10	SOIL	APC11-SW-006Y	1									X		-010	
4/25/06	10:15	SOIL	APC11-SW-007Y	1									X		-011	
4/25/06	10:18	SOIL	APC11-SW-008Y	1									X		-012	
4/25/06	11:10	SOIL	APC11-D-14	2								X			↓ -007	
11	1															

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

LABORATORY USE ONLY

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Discrepancies Between Sample Labels and COC Record? Y or N Explain:

Samples were:

1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled, Temp _____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:

1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

ATC014 S 7 - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

ATC 014

Sample Receipt Checklist

Client Name ATC

Date and Time Receive

4/25/2006 12:15:00 PM

Work Order Number 0604840

Received by PS

Checklist completed by

Signature

Date

4/25/06

Reviewed by

Initials

Date

JS

4/26/06

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Applicable ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Applicable ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Applicable ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

< 6°C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted?

Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

ATC014 S8

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: ATC DELIVERABLES: B5-70D TURN AROUND TIME: 24-48 Hr verbal

SDG #: ATC014 CASE #: PS 4/25/06 MATRIX: Soil pH CHECK Y or N 21 day pkg

REMARKS: PIS# A 020 ATC 06

RECEIVED BY: PS SIGNATURE: [Signature] DATE: 4/25/06 TIME: 12:15

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
ms/msd APCII-BS-051Y	0604840-1A 4-25-06	4-25-06	A	3	PMOIST 6010-S-PKG (SEL)
052Y	-2A			1	
053Y	-3A			1	
054Y	-4A			1	
✓ 055Y	-5A			1	
✓ 952Y	-6A		✓	✓	
D-14	-7A		500 ml glass	2	6010-S-PKG HG7471A-S-PMOIST
SW-001Y	-8A		A	1	6010-S-PKG SEL PMOIST
-003Y	-9A			1	
-006Y	-10A			1	
-007Y	-11A			1	
-008Y	-12A			1	
-013Y	-13A			1	
-019Y	-14A			1	
-020Y	-15A			1	
-021Y	-16A			1	
✓ -022Y	✓ -17A	✓	✓	✓	✓
		PS 4-25-06			

METALS

P 0286

ATC014 S 9

SDG #: ATC 014[illegible]

P 0287

U1A 112

APPENDIX B

Inorganic Data Validation Summary

ATC

Project Name: Peerless Photo Products
 Project No.: 68.28817.0001
 Project Manager: M. McNally
 Laboratory: H2M

Case No./SDG: ATC014
 Sampling Date(s): 4/25/2006
 Reviewed By: M. Traxler
 Completion Date: 6/20/2006

Compound List: ☐ TAL ☐ Appendix IX ☒ Other ___ Cd, Ag ___
 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 Duplicate Results	X			< 35 RPD
Matrix Spike Results	X			75 - 125 % R
ICP Serial Dilution		X		Cd > 10 RPD, but <CRQL
Post Digestion Analytical Spike				NR
Method of Standard Addition				NR
Field Duplicate Results		X		Cd > 50 RPD, but <CRQL
Sample Result Verification	X			Cadmium and Silver
Other:				

General Comments: _____

NA - Not applicable
 NR - Not reviewed

QA Scientist Mark Traxler Date 6/22/06

Inorganic Data Validation Summary

ATC

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

Case No./SDG: 0604840
 Sampling Date(s): 4/25/2006
 Reviewed By: M. Traxler
 Completion Date: 6/20/2006

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	Antimony results qualified
Laboratory Duplicate Results			X	Cobalt and manganese results qualified
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)
Sample Result Verification	X			
Other:				

General Comments: _____

NA - Not applicable
 NR - Not reviewed

QA Scientist Mark Traxler Date 6/22/06

Inorganic Matrix Spike/ Matrix Duplicate Worksheet

ATC

Project Name: Peerless Photo Products
Project Number: 68.28817.0001

Case/SDG Number: ATC014

Sample Location or Description
Sample Number
Sampling Date
Units

APC11-BS-051Y	APC11-BS-051YD	APC11-BS-051S
0604840-001	0604840-001D	0604840-001S
4/19/2006	4/19/2006	4/19/2006
mg/kg	mg/kg	mg/kg

	Spike Amount	Sample Result	MD Result	MS Result	MD RPD	Q	MS %R	Q
Cadmium	5.25	0.20	0.12	5.31	51.6	*	97.2	
Silver	5.25	1.21	0.95	6.11	24.0		93.4	

Q - Qualifier

* - Denotes RPD outside criteria

ATC014 MD MS Results

QA Scientist Mark Taylor Date 6/22/06

Inorganic Field Duplicate Precision Worksheet

ATC

Project Name: Peerless Photo Products
Project Number: 68.28817.0001

Case/SDG Number: ATC014

Sample Location or Description	APC11-BS-052Y	APC11-BS-952Y
Sample Number	0604840-002	0604840-006
Sampling Date	4/19/2006	4/19/2006
Units	mg/kg	mg/kg

	Sample	Field Duplicate	RPD	Q
Cadmium	0.59	0.23	87.8	*
Silver	39.5	28.6	32.0	

* - Denotes RPD outside criteria

U.S. EPA - CLP

3
BLANKSLab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	12.0	B	21.7	B	27.8	B	37.2	B	0.992	U	P
Antimony	8.3	B	8.2	B	8.8	B	7.9	B	0.292	U	P
Arsenic	1.8	U	1.8	U	1.8	U	1.9	B	0.177	U	P
Barium	1.5	U	1.5	U	1.5	U	1.5	U	0.151	U	P
Beryllium	0.6	B	0.6	B	0.7	B	0.8	B	0.023	U	P
Cadmium	0.6	B	0.6	B	0.7	B	0.6	B	0.012	U	P
Calcium	11.6	B	20.8	B	11.4	B	7.4	U	-1.400	B	P
Chromium	0.6	B	0.8	B	0.7	B	0.9	B	0.034	U	P
Cobalt	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.096	U	P
Iron	17.8	U	17.8	U	19.2	B	17.8	B			P
Lead	1.1	U	1.1	U	1.1	U	1.1	U	0.113	U	P
Magnesium	11.7	B	22.3	B	14.7	B	14.4	B	0.823	U	P
Manganese	0.6	B	0.6	B	0.7	B	0.7	B	0.038	U	P
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.104	U	P
Potassium	66.5	B	56.1	B	56.6	B	55.6	B	3.690	B	P
Selenium	1.9	U	1.9	U	1.9	U	1.9	U	0.191	U	P
Silver	0.4	U	0.4	U	0.6	B	1.1	B	0.045	U	P
Sodium	15.0	U	15.0	U	15.0	U	15.0	U			P
Thallium	2.4	U	2.6	B	2.4	U	2.4	U	0.242	U	P
Vanadium	1.4	U	1.4	U	1.4	U	1.4	U	0.136	U	P
Zinc	-2.6	B	-2.6	B	-2.5	B	-2.4	B	0.179	B	P

U.S. EPA - CLP

3
BLANKSLab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum			44.2	B							P
Antimony			7.8	B							P
Arsenic			1.8	U							P
Barium			1.5	U							P
Beryllium			0.8	B							P
Cadmium			0.6	B							P
Calcium			12.8	B							P
Chromium			0.7	B							P
Cobalt			1.2	U							P
Copper			1.0	U							P
Iron			18.1	B							P
Lead			1.1	U							P
Magnesium			21.9	B							P
Manganese			0.6	B							P
Nickel			1.3	B							P
Potassium			50.4	B							P
Selenium			1.9	U							P
Silver			0.4	U							P
Sodium			-15.0	B							P
Thallium			2.4	U							P
Vanadium			1.4	U							P
Zinc			1.4	U							P

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC014

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Prepa- ration Blank C		M
	1	C	2	C	3	C					
Antimony	2.9	U	2.9	U	2.9	U					P
Iron	17.8	U	17.8	U	17.8	U			1.776	U	P
Sodium	15.0	U	15.0	U	15.0	U			1.498	U	P

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC014

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Prepa- ration Blank C		M
	1	C	2	C	3	C					
Mercury	0.1	U	0.1	U	0.1	U			0.017	U	CV

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-BS-051YS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 95.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	23.7417	0.3065 U	52.52	45.2	N	P
Arsenic	75-125	5.2633	1.5108	4.20	89.3		P
Barium	75-125	218.0977	7.2731 B	210.08	100.4		P
Beryllium	75-125	5.5179	0.2279 B	5.25	100.7		P
Cadmium	75-125	5.3078	0.2048 B	5.25	97.2		P
Chromium	75-125	25.7479	4.6439	21.01	100.5		P
Cobalt	75-125	55.0851	3.6796 B	52.52	97.9		P
Copper	75-125	30.6481	3.7584	26.26	102.4		P
Iron		8505.5242	8266.7342	105.04	227.3		P
Lead	75-125	3.3954	1.3203	2.10	98.8		P
Manganese	75-125	108.4475	54.5179	52.52	102.7		P
Nickel	75-125	54.2511	2.5893 B	52.52	98.4		P
Selenium	75-125	1.1422	0.2958 B	1.05	80.6		P
Silver	75-125	6.1157	1.2088	5.25	93.4		P
Thallium	75-125	4.4023	0.2989 B	5.25	78.1		P
Vanadium	75-125	59.3708	7.0273	52.52	99.7		P
Zinc	75-125	65.0840	10.4412	52.52	104.0		P

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-D-14S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 86.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Mercury	75-125	0.2650	0.0482	0.19	112.9		CV

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

APC11-BS-051YA

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC014

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		108.83	B	2.92	U	120.0	90.7		P

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-BS-051Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 95.2% Solids for Duplicate: 95.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		3990.3246		3906.5504		2.1		P
Antimony		0.3065	U	0.3065	U			P
Arsenic	1.0504	1.5108		1.5272		1.1		P
Barium	21.0084	7.2731	B	7.2731	B	0.0		P
Beryllium	0.5252	0.2279	B	0.2321	B	1.8		P
Cadmium	0.5252	0.2048	B	0.1208	B	51.6		P
Calcium	525.2101	40.7132	B	37.2416	B	8.9		P
Chromium	1.0504	4.6439		4.9695		6.8		P
Cobalt	5.2521	3.6796	B	9.0063		84.0	*	P
Copper	2.6261	3.7584		5.0515		29.4		P
Iron		8266.7342		10093.4968		19.9		P
Lead	0.3151	1.3203		1.3439		1.8		P
Magnesium	525.2101	299.3613	B	276.7311	B	7.9		P
Manganese		54.5179		185.2258		109.0	*	P
Nickel	4.2017	2.5893	B	3.2815	B	23.6		P
Potassium	525.2101	127.9716	B	121.3845	B	5.3		P
Selenium	0.5252	0.2958	B	0.2006	U	200.0		P
Silver	1.0504	1.2088		0.9494	B	24.0		P
Sodium	525.2101	8.4412	B	9.5704	B	12.5		P
Thallium	1.0504	0.2989	B	0.2537	U	200.0		P
Vanadium	5.2521	7.0273		7.1891		2.3		P
Zinc	2.1008	10.4412		10.5242		0.8		P

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO

APC11-D-14

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.: TAMS ED

SDG No.: ATC014

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 86.8

% Solids for Duplicate: 86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	0.0384	0.0482		0.0411		15.9		CV

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

APC11-BS-051Y

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.SAS No.: TAMS EDSDG No.: ATC014Matrix (soil/water): SOILLevel (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Aluminum	37987.89	39560.00	4.1		P
Antimony	2.92 U	14.59 U			P
Arsenic	14.38	12.19 B	15.3		P
Barium	69.24 B	73.85 B	6.7		P
Beryllium	2.17 B	2.15 B	0.9		P
Cadmium	1.95 B	1.60 B	17.9		P
Calcium	387.59 B	403.20 B	4.0		P
Chromium	44.21	47.05 B	6.4		P
Cobalt	35.03 B	36.65 B	4.6		P
Copper	35.78	36.30 B	1.5		P
Iron	78699.31	82637.25	5.0		P
Lead	12.57	11.07 B	11.9		P
Magnesium	2849.92 B	3001.80 B	5.3		P
Manganese	519.01	536.50	3.4		P
Nickel	24.65 B	26.95 B	9.3		P
Potassium	1218.29 B	1351.60 B	10.9	E	P
Selenium	2.82 B	9.55 U	100.0		P
Silver	11.51	12.58 B	9.3		P
Sodium	80.36 B	74.90 U	100.0		P
Thallium	2.85 B	12.08 U	100.0		P
Vanadium	66.90	71.10 B	6.3		P
Zinc	99.40	105.05 B	5.7		P