

## **Racer Trust Lansing- Plant 2**

### **Data Review**

LANSING, MICHIGAN

Volatiles, Semivolatiles, PCBs, and Metals  
Analyses

SDG# S49983

Analyses Performed By:  
Merit Laboratories, Inc.  
East Lansing, MI

Report: #14830R  
Review Level: Tier I  
Project: B0064479.2011.21INV

## SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # S49983 for samples collected in association with the Racer Trust Plant 2 Site. The review was conducted as a Tier I evaluation and included review of data package completeness as required under Region III M2 validation. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PCB	MET	MISC
P2-SB-1(2-3')090611	S49983.01	Soil	09/06/2011		X	X		X	
P2-SB-1(29-30')090611	S49983.02	Soil	09/06/2011		X	X		X	
P2-SB-2(5-6')090611	S49983.03	Soil	09/06/2011		X	X		X	
P2-SB-2(29-30')090711	S49983.04	Soil	09/07/2011		X	X		X	
Duplicate 6 - P2	S49983.05	Soil	09/07/2011	P2-SB-2(29-30')090711	X	X		X	
P2-SB-25(4-5')090711	S49983.06	Soil	09/07/2011		X	X		X	
P2-SB-25(9-10')090711	S49983.07	Soil	09/07/2011		X	X		X	
P2-SB-15(4-5')090711	S49983.08	Soil	09/07/2011		X	X		X	
P2-SB-15(9-10')090711	S49983.09	Soil	09/07/2011		X	X		X	
P2-SB-16(2-3')090711	S49983.10	Soil	09/07/2011				X		
P2-SB-16(9-10')090711	S49983.11	Soil	09/07/2011				X		
Duplicate 7 - P2	S49983.12	Soil	09/07/2011	P2-SB-16(2-3')090711			X		
P2-SB-12(2-3')090711	S49983.13	Soil	09/07/2011			X	X	X	
P2-SB-12(19-20')090711	S49983.14	Soil	09/07/2011			X	X	X	
P2-SB-11(2-3')090711	S49983.15	Soil	09/07/2011			X	X	X	
P2-SB-11(19-20')090711	S49983.16	Soil	09/07/2011			X	X	X	
P2-SB-3(5.5-6.5')090811	S49983.17	Soil	09/08/2011		X	X			
P2-SB-3(14.5-15.5')090811	S49983.18	Soil	09/08/2011		X	X			
B-7-RO(2-3')090811	S49983.19	Soil	09/08/2011		X	X	X	X	
B-7-RO(12-13')090811	S49983.20	Soil	09/08/2011		X	X	X	X	
B-7-RO(19-20')090811	S49983.21	Soil	09/08/2011		X	X	X	X	

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PCB	MET	MISC
B-2-RO(1-2')090811	S49983.22	Soil	09/08/2011		X	X	X	X	
B-2-RO(19-20')090811	S49983.23	Soil	09/08/2011		X	X	X	X	
Trip Blank - Merit - Soil	S49983.24	Water	09/08/2011		X				
Trip Blank - Arcadis - Soil	S49983.25	Water	09/08/2011		X				
P2-SB-4(4-5')090811	S49983.26	Soil	09/08/2011		X	X			
P2-SB-4(18-19')090811	S49983.27	Soil	09/08/2011		X	X			
P2-SB-5(5-6')090811	S49983.28	Soil	09/08/2011		X	X			
P2-SB-5(19-20')090811	S49983.29	Soil	09/08/2011		X	X			

Note:

1. Matrix spike/matrix spike duplicate was performed on sample location B-7-RO(2-3')090811 for metals and mercury.

## ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

## ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260B, 8260 –SIM, 8270C and 8082. All samples in this data set were subjected to M-2 (Tier I) level data validation for organic compounds, as defined in the *USEPA Region III Innovative Approaches to Data Validation (June 1995)*. Validation was performed following the procedures specified in *Region III Modifications to National Functional Guidelines for Organic Data Review (September 1994)* and USEPA National Functional Guidelines of October 1999. Modifications to the procedures were necessary to accommodate method and reporting differences for samples analyzed using non-CLP methods (i.e., USEPA SW-846 methods). The Tier I was completed as defined in the MLC Buick City work plan (August 13, 2010). The quality indicators of this limited data review are included in the checklist.

The quality indicators of this data review were limited to the forms/data supplied by the laboratory which included: holding times, associated blanks, laboratory control samples, matrix spike/matrix spike duplicate samples, field duplicates and surrogate recoveries.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

- E The compound was quantitated above the calibration range.

- D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

- J The compound was positively identified; however, the associated numerical value is an estimated concentration only..

- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

- UL The compound was not detected, quantitation limit is probably higher.

- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- UB Compound considered non-detect at the listed value due to associated blank contamination.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- K The compound was positively identified; however, the associated numerical value is an estimated concentration only and the reported value may be biased high. Actual concentration is expected lower.
- L The compound was positively identified; however, the associated numerical value is an estimated concentration only and the reported value may be biased low. Actual concentration is expected to be higher.
  
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

# VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

## 1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260 and 8260B-SIM	Water	14 days from collection to analysis	Cool to 4°C±2°C; preserved to a pH of less than 2 s.u.
	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cool to 4°C±2°C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

## 2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No qualification of the sample results was required.

## 3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

## 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD analysis was not performed on a sample location within this SDG.

## 5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

## 6. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
P2-SB-2(29-30')090711 Duplicate 6 - P2	All compounds	U	U	AC

AC Acceptable  
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

## 7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

## DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
<b>Tier I Validation</b>					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%R    Percent recovery  
 RPD    Relative percent difference  
 %D    Percent difference

## SEMIVOLATILE ORGANIC COMPOUND (VOC) ANALYSES

### 1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8270	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

### 2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
P2-SB-1(2-3')090611 P2-SB-1(29-30')090611 P2-SB-2(5-6')090611 P2-SB-2(29-30')090711 Duplicate 6 - P2 P2-SB-25(4-5')090711 P2-SB-25(9-10')090711 P2-SB-15(4-5')090711 P2-SB-15(9-10')090711 P2-SB-12(2-3')090711 P2-SB-12(19-20')090711 P2-SB-11(19-20')090711 P2-SB-3(5.5-6.5')090811 P2-SB-3(14.5-15.5')090811 B-7-RO(2-3')090811 B-7-RO(19-20')090811	Dimethyl phthalate	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Sample Locations	Analytes	Sample Result	Qualification
B-2-RO(19-20')090811 P2-SB-4(4-5')090811			

RL Reporting limit

### 3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

### 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD analysis was not performed on a sample location within this SDG.

### 5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery	LCSD Recovery
P2-SB-1(2-3')090611	Bis(2-chloroethyl)ether	<LL but >10%	NA
P2-SB-1(29-30')090611	Bis (2-chloroisopropyl)ether	<LL but >10%	NA
P2-SB-2(5-6')090611	Acetophenone	<LL but >10%	NA
P2-SB-2(5-6')090611RE	Hexachloroethane	<LL but >10%	NA
P2-SB-2(29-30')090711	Nitrobenzene	<LL but >10%	NA
Duplicate 6 - P2	Isophorone	<LL but >10%	NA
P2-SB-25(4-5')090711	2-Nitrophenol	<LL but >10%	NA
P2-SB-25(4-5')090711RE	2,4-Dimethylphenol	<LL but >10%	NA
P2-SB-25(9-10')090711	Bis(2-chloroethoxy)methane	<LL but >10%	NA
P2-SB-15(4-5')090711	2,4-Dichlorophenol	<LL but >10%	NA
P2-SB-15(9-10')090711	Hexachlorobutadiene	<LL but >10%	NA

Sample Locations	Compound	LCS Recovery	LCS Recovery
	1,1-Biphenyl	<LL but >10%	NA
	2-Chloronaphthalene	<LL but >10%	NA
	Di-n-octyl phthalate	<LL but >10%	NA

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

## 6. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
P2-SB-2(29-30')090711 Duplicate 6 - P2	All compounds	U	U	AC

AC Acceptable  
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

## 7. System Performance and Overall Assessment

The laboratory qualified certain sample results "I" which indicates an internal standard recovery outside the control limit. The sample locations associated with internal standards exhibiting responses outside of the control limits are presented in the following table.

Sample Locations	Internal Standard	Response
P2-SB-2(5-6')090611	Chrysene-d12	<25%
	Perylene-d12	<25%
P2-SB-25(4-5')090711	Chrysene-d12	<LL but >25%

Sample Locations	Internal Standard	Response
	Perylene-d12	<25%

AC Acceptable

The criteria used to evaluate the internal standard responses are presented in the following table. In the case of an internal standard deviation, the compounds quantitated under the deviant internal standard are qualified as documented in the table below.

Control limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No action
	Detect	J
< the lower control limit (LL) but > 25%	Non-detect	UJ
	Detect	J
< 25%	Non-detect	R
	Detect	J

Please note the original undiluted analysis of sample locations P2-SB-2(5-6')090611 and P2-SB-25(4-5')090711 exhibited internal standard recoveries outside of the control limit. Both samples were reanalyzed at a dilution exhibiting acceptable internal standard recoveries. Results are reported from the original analysis with the exception of non-detect compounds associated with internal standards exhibiting recoveries less than 25 percent. These compounds are reported from the dilution analyses and therefore have elevated reporting limits.

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

## DATA VALIDATION CHECKLIST FOR SVOCs

SVOCs: SW-846 8270	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
<b>Tier I Validation</b>					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks					X
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%R - percent recovery, RPD - relative percent difference

## POLYCHLORINATED BIPHENYLS (PCBs) ANALYSES

### 1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C±2°C

All samples were analyzed within the specified holding time criteria.

### 2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected in the associated blanks; therefore detected sample results were not associated with blank contamination.

### 3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

### 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location within this SDG.

**5. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis**

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

**6. Field Duplicate Analysis**

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
P2-SB-16(2-3')090711 Duplicate 7 - P2	All compounds	U	U	AC

AC Acceptable  
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

**7. System Performance and Overall Assessment**

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

## DATA VALIDATION CHECKLIST FOR PCBs

PCBs; SW-846 8082	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
<b>Tier I Validation</b>					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate(MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%RSD – relative standard deviation, %R - percent recovery, RPD - relative percent difference,  
 %D – difference

## INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method 6020 and 7471A. All samples in this data set were subjected to IM-1 (Tier I) level data validation for inorganic compounds, as defined in the *USEPA Region III Innovative Approaches to Data Validation (June 1995)*. Validation was performed following the procedures specified in *Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (April 1993)* and *USEPA National Functional Guidelines for Inorganic Data Review (July 2002)*. Modifications to the procedures were necessary to accommodate method and reporting differences for samples analyzed using non-CLP methods (i.e., USEPA SW-846 methods). The Tier I was completed as defined in the MLC Buick City work plan (August 13, 2010). The quality indicators of this limited data review are included in the checklist.

The quality indicators of this data review were limited to the forms/data supplied by the laboratory which included: holding times, associated blanks, laboratory control samples, matrix spike/matrix spike duplicate samples, and field duplicates.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

- U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

- B The reported value was obtained from a reading less than the contract-required detection limit (CRDL), but greater than or equal to the instrument detection limit (IDL).

- Quantitation (Q) Qualifiers

- E The reported value is estimated due to the presence of interference.

- N Spiked sample recovery is not within control limits.

- \* Duplicate analysis is not within control limits.

- Validation Qualifiers

- J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

- UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

- UL The analyte was not detected, quantitation limit is probably higher.

- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- UB Analyte considered non-detect at the listed value due to associated blank contamination.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- K The analyte was positively identified; however, the associated numerical value is an estimated concentration only and the reported value may be biased high. Actual concentration is expected lower.
- L The analyte was positively identified; however, the associated numerical value is an estimated concentration only and the reported value may be biased low. Actual concentration is expected to be higher.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

## METALS ANALYSES

### 1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020	Water	180 days from collection to analysis	Cooled @ 4°C +/- 2; preserved to a pH of less than 2.
	Soil	180 days from collection to analysis	Cooled @ 4°C +/- 2
SW-846 7470	Water	28 days from collection to analysis	Cool to 4°C+2°C; preserved to a pH of less than 2.
SW-846 7471	Soil	28 days from collection to analysis	Cool to 4°C+2°C.

All samples were analyzed within the specified holding times.

### 2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the instrument detection limit (IDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected in the associated blanks; therefore detected sample results were not associated with blank contamination.

### 3. Matrix Spike (MS/MSD)/ Matrix Spike Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

#### 3.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory qualifier "N" will be removed.

The MS/MSD analysis exhibited recoveries within the control limits.

### 3.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the CRDL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the CRDL, a control limit of one times the CRDL is applied for water matrices and two times the CRDL for soil matrices.

MS/MSD analysis was performed in replacement of the laboratory duplicate analysis. The MS/MSD recoveries exhibited acceptable RPD.

### 4. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
P2-SB-2(29-30')090711/ Duplicate 6 - P2	Arsenic	3.15	3.10	1.6%
	Barium	37.2	40.0	7.3%
	Beryllium	0.20	0.16	AC
	Chromium	3.54	4.05	13.4%
	Cobalt	3.40	3.36	1.2%
	Copper	10.0	10.2	2.0%
	Lead	5.72	5.90	3.1%
	Manganese	250	268	6.9%
	Mercury	0.0102	0.0113	AC
	Nickel	10.1	10.0	1.0%
	Selenium	0.17	0.13 U	AC
	Vanadium	5.87	6.17	5.0%
	Zinc	16.5	17.1	3.6%

AC Acceptable  
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

### 5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

## **6. System Performance and Overall Assessment**

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

## DATA VALIDATION CHECKLIST FOR METAL

METALS; SW-846 6000	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP)					
<b>Tier I Validation</b>					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks					X
B. Method Blanks		X		X	
C. Rinse Blanks					X
Laboratory Control Sample (LCS)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field Duplicate (RPD)		X		X	
ICP Serial Dilution					X

%R    Percent recovery

RPD   Relative percent difference

VALIDATION PERFORMED BY: Jeffrey L. Davin

SIGNATURE:



DATE: October 12, 2011

PEER REVIEW BY: Dennis Capria

DATE: November 7, 2011

**CORRECTED SAMPLE ANALYSIS DATA SHEETS AND COCs**



# Analytical Laboratory Report

Lab Sample ID: S49983.01  
 Sample Tag: P2-SB-1(2-3')090611  
 Collected Date/Time: 09/06/2011 10:40  
 Matrix: Soil  
 COC Reference: 16146

**Sample Containers**

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	83	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-36-0
Arsenic	0.34	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-38-2
Barium	81.4	mg/kg	1.32	6020	09/23/11 14:50	PER	7440-39-3
Beryllium	0.42	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-41-7
Boron	Not detected	mg/kg	5.26	6020	09/23/11 14:50	PER	7440-42-8
Cadmium	0.23	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-43-9
Chromium	2.58	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-47-3
Cobalt	3.51	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-48-4
Copper	2.00	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-50-8
Lead	5.85	mg/kg	0.13	6020	09/23/11 14:50	PER	7439-92-1
Manganese	161	mg/kg	0.13	6020	09/23/11 14:50	PER	7439-96-5
Mercury	0.0583	mg/kg	0.0060	7471A	09/13/11 14:58	JRT	7439-97-6
Nickel	2.48	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-02-0
Selenium	Not detected	mg/kg	0.13	6020	09/23/11 14:50	PER	7782-49-2
Silver	Not detected	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-22-4
Thallium	Not detected	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-28-0
Vanadium	4.57	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-62-2
Zinc	7.97	mg/kg	0.13	6020	09/23/11 14:50	PER	7440-66-6

**Organics - Semi-Volatiles**

**TCL Semi-Volatile Organics**

Acenaphthene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	208-96-8
Acetophenone	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 00:37	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.01 (continued)  
 Sample Tag: P2-SB-1(2-3')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	JJ 40	8270C	09/14/11 00:37	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/14/11 00:37	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/14/11 00:37	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 00:37	PL	84-66-2	
Dimethyl phthalate	260	ug/kg	UB 80	8270C	09/14/11 00:37	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/14/11 00:37	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	JJ 40	8270C	09/14/11 00:37	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.01 (continued)

Sample Tag: P2-SB-1(2-3')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 00:37	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 15:39	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 15:39	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 15:39	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	76-13-1	
Acetone	Not detected	ug/kg	690	5035/8260B	09/09/11 14:30	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	690	5035/8260B	09/09/11 14:30	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	690	5035/8260B	09/09/11 14:30	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	690	5035/8260B	09/09/11 14:30	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	690	5035/8260B	09/09/11 14:30	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.01 (continued)

Sample Tag: P2-SB-1(2-3')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 14:30	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:30	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.02  
 Sample Tag: P2-SB-1(29-30)090611  
 Collected Date/Time: 09/06/2011 10:45  
 Matrix: Soil  
 COC Reference: 16146

**Sample Containers**

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	81	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-36-0
Arsenic	3.98	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-38-2
Barium	42.5	mg/kg	1.36	6020	09/23/11 14:55	PER	7440-39-3
Beryllium	0.21	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-41-7
Boron	Not detected	mg/kg	5.44	6020	09/23/11 14:55	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-43-9
Chromium	4.23	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-47-3
Cobalt	3.86	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-48-4
Copper	12.7	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-50-8
Lead	6.48	mg/kg	0.14	6020	09/23/11 14:55	PER	7439-92-1
Manganese	303	mg/kg	0.14	6020	09/23/11 14:55	PER	7439-96-5
Mercury	0.0133	mg/kg	0.0062	7471A	09/13/11 15:01	JRT	7439-97-6
Nickel	11.2	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-02-0
Selenium	0.32	mg/kg	0.14	6020	09/23/11 14:55	PER	7782-49-2
Silver	Not detected	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-22-4
Thallium	Not detected	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-28-0
Vanadium	6.63	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-62-2
Zinc	14.4	mg/kg	0.14	6020	09/23/11 14:55	PER	7440-66-6

**Organics - Semi-Volatiles**

**TCL Semi-Volatile Organics**

Acenaphthene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	208-96-8
Acetophenone	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 01:10	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.02 (continued)  
 Sample Tag: P2-SB-1(29-30)090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	JJ 40	8270C	09/14/11 01:10	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	JJ 40	8270C	09/14/11 01:10	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/14/11 01:10	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/14/11 01:10	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 01:10	PL	84-66-2	
Dimethyl phthalate	230	ug/kg	UB 80	8270C	09/14/11 01:10	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	J 40	8270C	09/14/11 01:10	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.02 (continued)

Sample Tag: P2-SB-1(29-30)090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:10	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	4	8260B - SIM	09/12/11 15:57	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 15:57	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	400	8260B	09/12/11 15:57	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	76-13-1	
Acetone	Not detected	ug/kg	740	5035/8260B	09/09/11 14:49	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	740	5035/8260B	09/09/11 14:49	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	740	5035/8260B	09/09/11 14:49	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	740	5035/8260B	09/09/11 14:49	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	740	5035/8260B	09/09/11 14:49	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.02 (continued)

Sample Tag: P2-SB-1(29-30)090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 14:49	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 14:49	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.03  
 Sample Tag: P2-SB-2(5-6')090611  
 Collected Date/Time: 09/06/2011 15:20  
 Matrix: Soil  
 COC Reference: 16146

**Sample Containers**

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Extraction / Prep.</b>								
BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	88	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-36-0
Arsenic	0.87	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-38-2
Barium	49.3	mg/kg	1.23	6020	09/23/11 14:58	PER	7440-39-3
Beryllium	0.23	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-41-7
Boron	Not detected	mg/kg	4.92	6020	09/23/11 14:58	PER	7440-42-8
Cadmium	0.18	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-43-9
Chromium	4.02	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-47-3
Cobalt	3.37	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-48-4
Copper	7.83	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-50-8
Lead	4.47	mg/kg	0.12	6020	09/23/11 14:58	PER	7439-92-1
Manganese	267	mg/kg	0.12	6020	09/23/11 14:58	PER	7439-96-5
Mercury	0.0124	mg/kg	0.0058	7471A	09/13/11 15:03	JRT	7439-97-6
Nickel	6.94	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-02-0
Selenium	0.21	mg/kg	0.12	6020	09/23/11 14:58	PER	7782-49-2
Silver	Not detected	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-22-4
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-28-0
Vanadium	6.46	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-62-2
Zinc	11.0	mg/kg	0.12	6020	09/23/11 14:58	PER	7440-66-6

**Organics - Semi-Volatiles**

**TCL Semi-Volatile Organics**

Acenaphthene	830	ug/kg	40	8270C	09/14/11 03:53	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	208-96-8	
Acetophenone	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	98-86-2	
Anthracene	750	ug/kg	40	8270C	09/14/11 03:53	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	1912-24-9	
1,1'-Biphenyl	250	ug/kg	J 40	8270C	09/14/11 03:53	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 03:53	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	100-52-7	
Benzo(a)anthracene	540	ug/kg	J 40	8270C	09/14/11 03:53	PL	56-55-3	-IZ
Benzo(a)pyrene	Not detected	ug/kg	-40-600	8270C	09/14/11 03:53	PL	50-32-8	+
Benzo(b)fluoranthene	Not detected	ug/kg	-40-600	8270C	09/14/11 03:53	PL	205-99-2	+

I-Matrix interference with internal standard Z-Estimated result due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.03 (continued)

Sample Tag: P2-SB-2(5-6')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(ghi)perylene	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	191-24-2	+
Benzo(k)fluoranthene	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	207-08-9	+
Butyl benzyl phthalate	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	85-68-7	+
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	108-60-1	
Chrysene	1,990	ug/kg	J 80	8270C	09/14/11 03:53	PL	218-01-9	-IZ
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	120-83-2	
2,4-Dimethylphenol	130	ug/kg	J 40	8270C	09/14/11 03:53	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	91-94-1	+
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/14/11 03:53	PL	53-70-3	+
Dibenzofuran	650	ug/kg	40	8270C	09/14/11 03:53	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 03:53	PL	84-66-2	
Dimethyl phthalate	210	ug/kg	US 80	8270C	09/14/11 03:53	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	117-81-7	+
Fluoranthene	1,630	ug/kg	40	8270C	09/14/11 03:53	PL	206-44-0	
Fluorene	4,180	ug/kg	40	8270C	09/14/11 03:53	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	<del>40</del> 600	8270C	09/14/11 03:53	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	78-59-1	
2-Methylnaphthalene	570	ug/kg	40	8270C	09/14/11 03:53	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	86-30-6	
Naphthalene	1,320	ug/kg	40	8270C	09/14/11 03:53	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/14/11 03:53	PL	98-95-3	

I-Matrix interference with internal standard

Z-Estimated result due to matrix interference

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.03 (continued)

Sample Tag: P2-SB-2(5-6')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
di-n-Octyl phthalate	Not detected	ug/kg	J 40 600	8270C	09/14/11 03:53	PL	117-84-0	+
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	87-86-5	
Phenanthrene	7,100	ug/kg	40	8270C	09/14/11 03:53	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	108-95-2	
Pyrene	6,570	ug/kg	J 40	8270C	09/14/11 03:53	PL	129-00-0	+
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 03:53	PL	88-06-2	
<b>TCL Semi-Volatile Organics (Replicate 01)</b>								
Acenaphthene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	83-32-9	X
Acenaphthylene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	208-96-8	X
Acetophenone	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	98-86-2	X
Anthracene	700	ug/kg	600	8270C	09/15/11 19:48	PL	120-12-7	X
Atrazine	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	84-74-2	X
Benzaldehyde	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	7005-72-3	X
Caprolactam	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	105-60-2	X
Carbazole	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	108-60-1	X
Chrysene	1,800	ug/kg	600	8270C	09/15/11 19:48	PL	218-01-9	XZ
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	53-70-3	X
Dibenzofuran	600	ug/kg	600	8270C	09/15/11 19:48	PL	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	131-11-3	X

I-Matrix interference with internal standard

X-Elevated reporting limit due to matrix interference

Z-Estimated result due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.03 (continued)

Sample Tag: P2-SB-2(5-6')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (Replicate 01) (continued)</b>								
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	117-81-7	X
Fluoranthene	1,900	ug/kg	600	8270C	09/15/11 19:48	PL	206-44-0	X
Fluorene	3,300	ug/kg	600	8270C	09/15/11 19:48	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	77-47-4	X
Hexachloroethane	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	193-39-5	X
Isophorone	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	91-57-6	X
2-Methylphenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	3/4-Cresol	X
2-Nitroaniline	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	86-30-6	X
Naphthalene	1,100	ug/kg	600	8270C	09/15/11 19:48	PL	91-20-3	X
Nitrobenzene	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	87-86-5	X
Phenanthrene	5,900	ug/kg	600	8270C	09/15/11 19:48	PL	85-01-8	X
Phenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	108-95-2	X
Pyrene	1,800	ug/kg	600	8270C	09/15/11 19:48	PL	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	09/15/11 19:48	PL	88-06-2	X
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 16:16	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 16:16	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 16:16	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	76-13-1	
Acetone	Not detected	ug/kg	630	5035/8260B	09/09/11 15:09	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	630	5035/8260B	09/09/11 15:09	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	630	5035/8260B	09/09/11 15:09	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-35-4	

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.03 (continued)

Sample Tag: P2-SB-2(5-6')090611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	156-60-5	
1,1-Dichloroethane	270	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	630	5035/8260B	09/09/11 15:09	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	630	5035/8260B	09/09/11 15:09	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	79-00-5	
Tetrachloroethene	660	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 15:09	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 15:09	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.04  
 Sample Tag: P2-SB-2(29-30)090711  
 Collected Date/Time: 09/07/2011 16:00  
 Matrix: Soil  
 COC Reference: 16146

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	85	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-36-0
Arsenic	3.15	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-38-2
Barium	37.2	mg/kg	1.28	6020	09/23/11 15:00	PER	7440-39-3
Beryllium	0.20	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-41-7
Boron	Not detected	mg/kg	5.14	6020	09/23/11 15:00	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-43-9
Chromium	3.54	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-47-3
Cobalt	3.40	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-48-4
Copper	10.0	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-50-8
Lead	5.72	mg/kg	0.13	6020	09/23/11 15:00	PER	7439-92-1
Manganese	250	mg/kg	0.13	6020	09/23/11 15:00	PER	7439-96-5
Mercury	0.0102	mg/kg	0.0058	7471A	09/13/11 15:05	JRT	7439-97-6
Nickel	10.1	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-02-0
Selenium	0.17	mg/kg	0.13	6020	09/23/11 15:00	PER	7782-49-2
Silver	Not detected	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-22-4
Thallium	Not detected	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-28-0
Vanadium	5.87	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-62-2
Zinc	16.5	mg/kg	0.13	6020	09/23/11 15:00	PER	7440-66-6

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	208-96-8
Acetophenone	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 01:42	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.04 (continued)

Sample Tag: P2-SB-2(29-30)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	JJ 40	8270C	09/14/11 01:42	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	JJ 40	8270C	09/14/11 01:42	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/14/11 01:42	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/14/11 01:42	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 01:42	PL	84-66-2	
Dimethyl phthalate	170	ug/kg	uB 80	8270C	09/14/11 01:42	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/14/11 01:42	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	JJ 40	8270C	09/14/11 01:42	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.04 (continued)

Sample Tag: P2-SB-2(29-30)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 01:42	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 16:35	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 16:35	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 16:35	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	76-13-1	
Acetone	Not detected	ug/kg	660	5035/8260B	09/09/11 15:29	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	660	5035/8260B	09/09/11 15:29	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	660	5035/8260B	09/09/11 15:29	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	660	5035/8260B	09/09/11 15:29	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	660	5035/8260B	09/09/11 15:29	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.04 (continued)

Sample Tag: P2-SB-2(29-30)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 15:29	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	98-82-8	
Bromofom	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:29	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.05  
 Sample Tag: Duplicate 6 - P2  
 Collected Date/Time: 09/07/2011 16:05  
 Matrix: Soil  
 COC Reference: 16146

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	84	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-36-0
Arsenic	3.10	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-38-2
Barium	40.0	mg/kg	1.26	6020	09/23/11 15:02	PER	7440-39-3
Beryllium	0.16	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-41-7
Boron	Not detected	mg/kg	5.06	6020	09/23/11 15:02	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-43-9
Chromium	4.05	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-47-3
Cobalt	3.36	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-48-4
Copper	10.2	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-50-8
Lead	5.90	mg/kg	0.13	6020	09/23/11 15:02	PER	7439-92-1
Manganese	268	mg/kg	0.13	6020	09/23/11 15:02	PER	7439-96-5
Mercury	0.0113	mg/kg	0.0058	7471A	09/13/11 15:07	JRT	7439-97-6
Nickel	10.0	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-02-0
Selenium	Not detected	mg/kg	0.13	6020	09/23/11 15:02	PER	7782-49-2
Silver	Not detected	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-22-4
Thallium	Not detected	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-28-0
Vanadium	6.17	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-62-2
Zinc	17.1	mg/kg	0.13	6020	09/23/11 15:02	PER	7440-66-6

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	208-96-8
Acetophenone	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 02:15	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.05 (continued)

Sample Tag: Duplicate 6 - P2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	J J 40	8270C	09/14/11 02:15	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J J 40	8270C	09/14/11 02:15	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/14/11 02:15	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/14/11 02:15	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/14/11 02:15	PL	84-66-2	
Dimethyl phthalate	140	ug/kg	uB 80	8270C	09/14/11 02:15	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	J 40	8270C	09/14/11 02:15	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.05 (continued)

Sample Tag: Duplicate 6 - P2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:15	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 16:53	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 16:53	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 16:53	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	76-13-1	
Acetone	Not detected	ug/kg	690	5035/8260B	09/09/11 15:49	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	690	5035/8260B	09/09/11 15:49	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	690	5035/8260B	09/09/11 15:49	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	690	5035/8260B	09/09/11 15:49	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	690	5035/8260B	09/09/11 15:49	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.05 (continued)

Sample Tag: Duplicate 6 - P2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 15:49	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 15:49	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.06  
 Sample Tag: P2-SB-25(4-5)090711  
 Collected Date/Time: 09/07/2011 16:25  
 Matrix: Soil  
 COC Reference: 16146

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	89	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-36-0	
Arsenic	0.74	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-38-2	
Barium	36.7	mg/kg	1.16	6020	09/23/11 15:04	PER	7440-39-3	
Beryllium	0.13	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-41-7	
Boron	Not detected	mg/kg	4.62	6020	09/23/11 15:04	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-43-9	
Chromium	3.64	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-47-3	
Cobalt	5.02	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-48-4	
Copper	9.13	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-50-8	
Lead	2.33	mg/kg	0.12	6020	09/23/11 15:04	PER	7439-92-1	
Manganese	240	mg/kg	0.12	6020	09/23/11 15:04	PER	7439-96-5	
Mercury	Not detected	mg/kg	0.0055	7471A	09/13/11 15:10	JRT	7439-97-6	
Nickel	6.79	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.12	6020	09/23/11 15:04	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-28-0	
Vanadium	4.32	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-62-2	
Zinc	6.83	mg/kg	0.12	6020	09/23/11 15:04	PER	7440-66-6	

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	100	ug/kg	40	8270C	09/14/11 02:48	PL	83-32-9	-Z
Acenaphthylene	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	208-96-8	
Acetophenone	Not detected	ug/kg	J 40	8270C	09/14/11 02:48	PL	98-86-2	
Anthracene	270	ug/kg	40	8270C	09/14/11 02:48	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	1912-24-9	
1,1'-Biphenyl	50	ug/kg	J 40	8270C	09/14/11 02:48	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/14/11 02:48	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	100-52-7	
Benzo(a)anthracene	150	ug/kg	J 40	8270C	09/14/11 02:48	PL	56-55-3	-Z
Benzo(a)pyrene	Not detected	ug/kg	40 300	8270C	09/14/11 02:48	PL	50-32-8	-Z

Z-Estimated result due to matrix interference

I-Matrix interference with internal standard



# Analytical Laboratory Report

Lab Sample ID: S49983.06 (continued)

Sample Tag: P2-SB-25(4-5')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(b)fluoranthene	Not detected	ug/kg	<del>40</del> 300	8270C	09/14/11 02:48	PL	205-99-2	+
Benzo(ghi)perylene	Not detected	ug/kg	<del>40</del> 300	8270C	09/14/11 02:48	PL	191-24-2	+
Benzo(k)fluoranthene	Not detected	ug/kg	<del>40</del> 300	8270C	09/14/11 02:48	PL	207-08-9	+
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	85-68-7	+
2-Chloronaphthalene	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	108-60-1	
Chrysene	400	ug/kg	J	8270C	09/14/11 02:48	PL	218-01-9	-Z
2,4-Dichlorophenol	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	91-94-1	+
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	<del>70</del> 300	8270C	09/14/11 02:48	PL	53-70-3	+
Dibenzofuran	70	ug/kg	40	8270C	09/14/11 02:48	PL	132-64-9	-Z
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/14/11 02:48	PL	84-66-2	
Dimethyl phthalate	160	ug/kg	48	8270C	09/14/11 02:48	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	117-81-7	+
Fluoranthene	450	ug/kg	40	8270C	09/14/11 02:48	PL	206-44-0	
Fluorene	1,970	ug/kg	40	8270C	09/14/11 02:48	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	<del>40</del> 300	8270C	09/14/11 02:48	PL	193-39-5	
Isophorone	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	78-59-1	
2-Methylnaphthalene	90	ug/kg	40	8270C	09/14/11 02:48	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J	8270C	09/14/11 02:48	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	86-30-6	
Naphthalene	70	ug/kg	40	8270C	09/14/11 02:48	PL	91-20-3	

I-Matrix interference with internal standard

Z-Estimated result due to matrix interference

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.06 (continued)  
 Sample Tag: P2-SB-25(4-5)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/14/11 02:48	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40-300	8270C	09/14/11 02:48	PL	117-84-0	+
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	87-86-5	
Phenanthrene	2,250	ug/kg	40	8270C	09/14/11 02:48	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	108-95-2	
Pyrene	590	ug/kg	J 40	8270C	09/14/11 02:48	PL	129-00-0	+
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/14/11 02:48	PL	95-95-4	
2,4,6-Trichlorophenol	60	ug/kg	40	8270C	09/14/11 02:48	PL	88-06-2	
<b>TCL Semi-Volatile Organics (Replicate 01)</b>								
Acenaphthene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	98-86-2	
Anthracene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	1912-24-9	X-
1,1'-Biphenyl	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	105-60-2	
Carbazole	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	111-44-4	X-
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	108-60-1	
Chrysene	300	ug/kg	300	8270C	09/15/11 19:15	PL	218-01-9	Z-
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	84-66-2	

I-Matrix interference with internal standard  
 X-Elevated reporting limit due to matrix interference  
 Z-Estimated result due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.06 (continued)

Sample Tag: P2-SB-25(4-5')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (Replicate 01) (continued)</b>								
Dimethyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	117-81-7	
Fluoranthene	400	ug/kg	300	8270C	09/15/11 19:15	PL	206-44-0	
Fluorene	1,600	ug/kg	300	8270C	09/15/11 19:15	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	193-39-5	
Isophorone	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	86-30-6	
Naphthalene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	87-86-5	
Phenanthrene	1,900	ug/kg	300	8270C	09/15/11 19:15	PL	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	108-95-2	
Pyrene	400	ug/kg	300	8270C	09/15/11 19:15	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	09/15/11 19:15	PL	88-06-2	

### Organics - Volatiles

1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 17:11	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 17:11	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 17:11	JGH	123-91-1	

### TCL Volatile Organics HighLevel 5035/8260

1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	76-13-1	
Acetone	Not detected	ug/kg	620	5035/8260B	09/09/11 16:08	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	620	5035/8260B	09/09/11 16:08	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	620	5035/8260B	09/09/11 16:08	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-69-4	

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.06 (continued)

Sample Tag: P2-SB-25(4-5)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	156-60-5	
1,1-Dichloroethane	620	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	67-66-3	
1,1,1-Trichloroethane	560	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	620	5035/8260B	09/09/11 16:08	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	620	5035/8260B	09/09/11 16:08	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 16:08	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:08	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.07  
 Sample Tag: P2-SB-25(9-10')090711  
 Collected Date/Time: 09/07/2011 16:30  
 Matrix: Soil  
 COC Reference: 16146

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-36-0
Arsenic	0.44	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-38-2
Barium	21.1	mg/kg	1.14	6020	09/23/11 15:07	PER	7440-39-3
Beryllium	0.13	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-41-7
Boron	Not detected	mg/kg	4.54	6020	09/23/11 15:07	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-43-9
Chromium	2.55	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-47-3
Cobalt	2.01	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-48-4
Copper	6.97	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-50-8
Lead	3.32	mg/kg	0.11	6020	09/23/11 15:07	PER	7439-92-1
Manganese	281	mg/kg	0.11	6020	09/23/11 15:07	PER	7439-96-5
Mercury	0.0074	mg/kg	0.0056	7471A	09/13/11 15:12	JRT	7439-97-6
Nickel	6.77	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-02-0
Selenium	0.21	mg/kg	0.11	6020	09/23/11 15:07	PER	7782-49-2
Silver	Not detected	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-22-4
Thallium	Not detected	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-28-0
Vanadium	3.99	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-62-2
Zinc	12.6	mg/kg	0.11	6020	09/23/11 15:07	PER	7440-66-6

**Organics - Semi-Volatiles**

**TCL Semi-Volatile Organics**

Acenaphthene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	208-96-8
Acetophenone	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/13/11 19:54	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.07 (continued)

Sample Tag: P2-SB-25(9-10)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	J J 40	8270C	09/13/11 19:54	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J J 40	8270C	09/13/11 19:54	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	09/13/11 19:54	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/13/11 19:54	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/13/11 19:54	PL	84-66-2	
Dimethyl phthalate	190	ug/kg	4B 70	8270C	09/13/11 19:54	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/13/11 19:54	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	J J 40	8270C	09/13/11 19:54	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.07 (continued)

Sample Tag: P2-SB-25(9-10')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 19:54	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 17:30	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 17:30	JGH	106-93-4	
1,4-Dioxane	400	ug/kg	300	8260B	09/12/11 17:30	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	76-13-1	
Acetone	Not detected	ug/kg	600	5035/8260B	09/09/11 16:28	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	600	5035/8260B	09/09/11 16:28	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	600	5035/8260B	09/09/11 16:28	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	600	5035/8260B	09/09/11 16:28	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	600	5035/8260B	09/09/11 16:28	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.07 (continued)

Sample Tag: P2-SB-25(9-10')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 16:28	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:28	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.08  
 Sample Tag: P2-SB-15(4-5')090711  
 Collected Date/Time: 09/07/2011 16:50  
 Matrix: Soil  
 COC Reference: 16146

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	88	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-36-0
Arsenic	0.74	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-38-2
Barium	45.5	mg/kg	1.24	6020	09/23/11 15:09	PER	7440-39-3
Beryllium	0.19	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-41-7
Boron	Not detected	mg/kg	4.94	6020	09/23/11 15:09	PER	7440-42-8
Cadmium	0.13	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-43-9
Chromium	3.96	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-47-3
Cobalt	4.34	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-48-4
Copper	3.93	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-50-8
Lead	3.20	mg/kg	0.12	6020	09/23/11 15:09	PER	7439-92-1
Manganese	457	mg/kg	0.12	6020	09/23/11 15:09	PER	7439-96-5
Mercury	0.0098	mg/kg	0.0057	7471A	09/13/11 15:25	JRT	7439-97-6
Nickel	9.61	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-02-0
Selenium	0.31	mg/kg	0.12	6020	09/23/11 15:09	PER	7782-49-2
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-22-4
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-28-0
Vanadium	5.60	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-62-2
Zinc	10.1	mg/kg	0.12	6020	09/23/11 15:09	PER	7440-66-6

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	208-96-8
Acetophenone	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/13/11 20:28	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.08 (continued)

Sample Tag: P2-SB-15(4-5)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	JJ 40	8270C	09/13/11 20:28	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/13/11 20:28	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/13/11 20:28	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/13/11 20:28	PL	84-66-2	
Dimethyl phthalate	110	ug/kg	UB 80	8270C	09/13/11 20:28	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	J 40	8270C	09/13/11 20:28	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.08 (continued)

Sample Tag: P2-SB-15(4-5)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 20:28	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 17:48	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 17:48	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 17:48	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	76-13-1	
Acetone	Not detected	ug/kg	630	5035/8260B	09/09/11 16:47	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	630	5035/8260B	09/09/11 16:47	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	630	5035/8260B	09/09/11 16:47	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	630	5035/8260B	09/09/11 16:47	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	630	5035/8260B	09/09/11 16:47	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.08 (continued)

Sample Tag: P2-SB-15(4-5')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 16:47	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 16:47	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.09  
 Sample Tag: P2-SB-15(9-10)090711  
 Collected Date/Time: 09/07/2011 16:55  
 Matrix: Soil  
 COC Reference: 16146

**Sample Containers**

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-36-0
Arsenic	1.37	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-38-2
Barium	25.5	mg/kg	1.16	6020	09/23/11 15:11	PER	7440-39-3
Beryllium	Not detected	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-41-7
Boron	Not detected	mg/kg	4.64	6020	09/23/11 15:11	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-43-9
Chromium	2.43	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-47-3
Cobalt	1.78	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-48-4
Copper	3.63	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-50-8
Lead	2.66	mg/kg	0.12	6020	09/23/11 15:11	PER	7439-92-1
Manganese	166	mg/kg	0.12	6020	09/23/11 15:11	PER	7439-96-5
Mercury	0.0056	mg/kg	0.0056	7471A	09/13/11 15:28	JRT	7439-97-6
Nickel	6.12	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-02-0
Selenium	0.25	mg/kg	0.12	6020	09/23/11 15:11	PER	7782-49-2
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-22-4
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-28-0
Vanadium	3.69	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-62-2
Zinc	7.85	mg/kg	0.12	6020	09/23/11 15:11	PER	7440-66-6

**Organics - Semi-Volatiles**

**TCL Semi-Volatile Organics**

Acenaphthene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	208-96-8
Acetophenone	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/13/11 21:02	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	191-24-2



# Analytical Laboratory Report

Lab Sample ID: S49983.09 (continued)

Sample Tag: P2-SB-15(9-10)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	09/13/11 21:02	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/13/11 21:02	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/13/11 21:02	PL	84-66-2	
Dimethyl phthalate	130	ug/kg	LB 70	8270C	09/13/11 21:02	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	110	ug/kg	40	8270C	09/13/11 21:02	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	J 40	8270C	09/13/11 21:02	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	85-01-8	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.09 (continued)

Sample Tag: P2-SB-15(9-10)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Phenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:02	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 18:07	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 18:07	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 18:07	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	76-13-1	
Acetone	Not detected	ug/kg	600	5035/8260B	09/09/11 17:07	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	600	5035/8260B	09/09/11 17:07	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	600	5035/8260B	09/09/11 17:07	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	156-60-5	
1,1-Dichloroethane	350	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	67-66-3	
1,1,1-Trichloroethane	150	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	600	5035/8260B	09/09/11 17:07	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	600	5035/8260B	09/09/11 17:07	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	79-00-5	
Tetrachloroethene	150	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.09 (continued)

Sample Tag: P2-SB-15(9-10)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 17:07	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:07	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.10  
 Sample Tag: P2-SB-16(2-3')090711  
 Collected Date/Time: 09/07/2011 17:30  
 Matrix: Soil  
 COC Reference: 16146

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
-----------------	-----------	--	--	-------	----------------	-----	--	--

**Inorganics**

Total Solids	88	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:00	JANB	11096-82-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.11  
 Sample Tag: P2-SB-16(9-10)090711  
 Collected Date/Time: 09/07/2011 17:40  
 Matrix: Soil  
 COC Reference: 16146

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
-----------------	-----------	--	--	-------	----------------	-----	--	--

**Inorganics**

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:10	JANB	11096-82-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.12  
 Sample Tag: Duplicate 7 - P2  
 Collected Date/Time: 09/07/2011 17:35  
 Matrix: Soil  
 COC Reference: 16146

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
-----------------	-----------	--	--	-------	----------------	-----	--	--

**Inorganics**

Total Solids	86	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:21	JANB	11096-82-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.13  
 Sample Tag: P2-SB-12(2-3)090711  
 Collected Date/Time: 09/07/2011 18:30  
 Matrix: Soil  
 COC Reference: 16146

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/08/11 23:28	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	89	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-36-0	
Arsenic	0.83	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-38-2	
Barium	29.4	mg/kg	1.20	6020	09/23/11 15:22	PER	7440-39-3	
Beryllium	0.21	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-41-7	
Boron	Not detected	mg/kg	4.80	6020	09/23/11 15:22	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-43-9	
Chromium	4.18	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-47-3	
Cobalt	2.05	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-48-4	
Copper	37.7	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-50-8	
Lead	20.3	mg/kg	0.12	6020	09/23/11 15:22	PER	7439-92-1	
Manganese	161	mg/kg	0.12	6020	09/23/11 15:22	PER	7439-96-5	
Mercury	0.0139	mg/kg	0.0057	7471A	09/13/11 15:30	JRT	7439-97-6	
Nickel	4.62	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.12	6020	09/23/11 15:22	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-28-0	
Vanadium	4.47	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-62-2	
Zinc	14.1	mg/kg	0.12	6020	09/23/11 15:22	PER	7440-66-6	

### Organics - PCBs/Pesticides

#### TCL PCB List (Column 1)

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11096-82-5	

#### TCL PCB List (Column 2)

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11141-16-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.13 (continued)  
 Sample Tag: P2-SB-12(2-3')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:31	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	208-96-8	
Acetophenone	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/13/11 21:35	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	100-52-7	
Benzo(a)anthracene	110	ug/kg	40	8270C	09/13/11 21:35	PL	56-55-3	
Benzo(a)pyrene	100	ug/kg	40	8270C	09/13/11 21:35	PL	50-32-8	
Benzo(b)fluoranthene	100	ug/kg	40	8270C	09/13/11 21:35	PL	205-99-2	
Benzo(ghi)perylene	40	ug/kg	40	8270C	09/13/11 21:35	PL	191-24-2	
Benzo(k)fluoranthene	90	ug/kg	40	8270C	09/13/11 21:35	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	JJ 40	8270C	09/13/11 21:35	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	108-60-1	
Chrysene	150	ug/kg	70	8270C	09/13/11 21:35	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/13/11 21:35	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/13/11 21:35	PL	84-66-2	
Dimethyl phthalate	150	ug/kg	4B 70	8270C	09/13/11 21:35	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	117-81-7	
Fluoranthene	200	ug/kg	40	8270C	09/13/11 21:35	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	87-68-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.13 (continued)  
 Sample Tag: P2-SB-12(2-3')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	50	ug/kg	40	8270C	09/13/11 21:35	PL	193-39-5	
Isophorone	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	J 40	8270C	09/13/11 21:35	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	87-86-5	
Phenanthrene	140	ug/kg	40	8270C	09/13/11 21:35	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	108-95-2	
Pyrene	180	ug/kg	40	8270C	09/13/11 21:35	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/13/11 21:35	PL	88-06-2	



# Analytical Laboratory Report

Lab Sample ID: S49983.14  
 Sample Tag: P2-SB-12(19-20)090711  
 Collected Date/Time: 09/07/2011 18:35  
 Matrix: Soil  
 COC Reference: 16146

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	91	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-36-0	
Arsenic	3.13	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-38-2	
Barium	32.8	mg/kg	1.18	6020	09/23/11 15:25	PER	7440-39-3	
Beryllium	0.15	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-41-7	
Boron	Not detected	mg/kg	4.74	6020	09/23/11 15:25	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-43-9	
Chromium	15.8	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-47-3	
Cobalt	4.52	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-48-4	
Copper	14.3	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-50-8	
Lead	4.36	mg/kg	0.12	6020	09/23/11 15:25	PER	7439-92-1	
Manganese	212	mg/kg	0.12	6020	09/23/11 15:25	PER	7439-96-5	
Mercury	0.0142	mg/kg	0.0055	7471A	09/13/11 15:32	JRT	7439-97-6	
Nickel	10.7	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-02-0	
Selenium	0.24	mg/kg	0.12	6020	09/23/11 15:25	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-28-0	
Vanadium	4.48	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-62-2	
Zinc	14.3	mg/kg	0.12	6020	09/23/11 15:25	PER	7440-66-6	

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11141-16-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.14 (continued)  
Sample Tag: P2-SB-12(19-20)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 14:42	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 12:48	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	09/15/11 12:48	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/15/11 12:48	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 12:48	PL	84-66-2	
Dimethyl phthalate	210	ug/kg	48 70	8270C	09/15/11 12:48	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	87-68-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.14 (continued)

Sample Tag: P2-SB-12(19-20)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 12:48	PL	88-06-2	



# Analytical Laboratory Report

Lab Sample ID: S49983.15  
 Sample Tag: P2-SB-11(2-3')090711  
 Collected Date/Time: 09/07/2011 19:15  
 Matrix: Soil  
 COC Reference: 16147

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	89	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	0.21	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-36-0	
Arsenic	1.39	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-38-2	
Barium	44.2	mg/kg	1.16	6020	09/23/11 15:27	PER	7440-39-3	
Beryllium	0.30	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-41-7	
Boron	Not detected	mg/kg	4.62	6020	09/23/11 15:27	PER	7440-42-8	
Cadmium	0.16	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-43-9	
Chromium	8.94	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-47-3	
Cobalt	2.70	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-48-4	
Copper	11.9	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-50-8	
Lead	122	mg/kg	0.12	6020	09/23/11 15:27	PER	7439-92-1	
Manganese	482	mg/kg	0.12	6020	09/23/11 15:27	PER	7439-96-5	
Mercury	0.0171	mg/kg	0.0057	7471A	09/13/11 15:34	JRT	7439-97-6	
Nickel	9.10	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.12	6020	09/23/11 15:27	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-28-0	
Vanadium	4.78	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-62-2	
Zinc	18.5	mg/kg	0.12	6020	09/23/11 15:27	PER	7440-66-6	

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	11097-69-1	
PCB-1260	7	ug/kg	3	8082	09/09/11 14:52	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	11141-16-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.15 (continued)

Sample Tag: P2-SB-11(2-3')090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 14:52	JANB	11097-69-1	
PCB-1260	8	ug/kg	3	8082	09/09/11 14:52	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	83-32-9	
Acenaphthylene	120	ug/kg	70	8270C	09/15/11 19:29	PL	208-96-8	
Acetophenone	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	98-86-2	
Anthracene	1,900	ug/kg	70	8270C	09/15/11 19:29	PL	120-12-7	
Atrazine	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	100	8270C	09/15/11 19:29	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	100-52-7	
Benzo(a)anthracene	1,250	ug/kg	70	8270C	09/15/11 19:29	PL	56-55-3	
Benzo(a)pyrene	1,100	ug/kg	70	8270C	09/15/11 19:29	PL	50-32-8	
Benzo(b)fluoranthene	1,340	ug/kg	70	8270C	09/15/11 19:29	PL	205-99-2	
Benzo(ghi)perylene	640	ug/kg	70	8270C	09/15/11 19:29	PL	191-24-2	
Benzo(k)fluoranthene	1,070	ug/kg	70	8270C	09/15/11 19:29	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	105-60-2	
Carbazole	70	ug/kg	70	8270C	09/15/11 19:29	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	108-60-1	
Chrysene	2,300	ug/kg	100	8270C	09/15/11 19:29	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	534-52-1	
Dibenzo(ah)anthracene	300	ug/kg	100	8270C	09/15/11 19:29	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	100	8270C	09/15/11 19:29	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	100	8270C	09/15/11 19:29	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	117-81-7	
Fluoranthene	3,690	ug/kg	70	8270C	09/15/11 19:29	PL	206-44-0	
Fluorene	110	ug/kg	70	8270C	09/15/11 19:29	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	87-68-3	X

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.15 (continued)

Sample Tag: P2-SB-11(2-3)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorocyclopentadiene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	690	ug/kg	70	8270C	09/15/11 19:29	PL	193-39-5	
Isophorone	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	86-30-6	
Naphthalene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	87-86-5	
Phenanthrene	2,090	ug/kg	70	8270C	09/15/11 19:29	PL	85-01-8	
Phenol	120	ug/kg	70	8270C	09/15/11 19:29	PL	108-95-2	Z
Pyrene	2,950	ug/kg	70	8270C	09/15/11 19:29	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	70	8270C	09/15/11 19:29	PL	88-06-2	

Z-Estimated result due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.16  
 Sample Tag: P2-SB-11(19-20)090711  
 Collected Date/Time: 09/07/2011 19:20  
 Matrix: Soil  
 COC Reference: 16147

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-36-0	
Arsenic	2.74	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-38-2	
Barium	28.8	mg/kg	1.20	6020	09/23/11 15:30	PER	7440-39-3	
Beryllium	Not detected	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-41-7	
Boron	Not detected	mg/kg	4.78	6020	09/23/11 15:30	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-43-9	
Chromium	2.47	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-47-3	
Cobalt	2.45	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-48-4	
Copper	6.66	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-50-8	
Lead	3.73	mg/kg	0.12	6020	09/23/11 15:30	PER	7439-92-1	
Manganese	196	mg/kg	0.12	6020	09/23/11 15:30	PER	7439-96-5	
Mercury	0.0061	mg/kg	0.0056	7471A	09/13/11 15:36	JRT	7439-97-6	
Nickel	7.47	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-02-0	
Selenium	0.17	mg/kg	0.12	6020	09/23/11 15:30	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-28-0	
Vanadium	4.18	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-62-2	
Zinc	12.8	mg/kg	0.12	6020	09/23/11 15:30	PER	7440-66-6	

### Organics - PCBs/Pesticides

#### TCL PCB List (Column 1)

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11096-82-5	

#### TCL PCB List (Column 2)

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11141-16-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.16 (continued)  
 Sample Tag: P2-SB-11(19-20)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:03	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 13:22	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	09/15/11 13:22	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/15/11 13:22	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 13:22	PL	84-66-2	
Dimethyl phthalate	210	ug/kg	LB 70	8270C	09/15/11 13:22	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	87-68-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.16 (continued)

Sample Tag: P2-SB-11(19-20)090711

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:22	PL	88-06-2	



# Analytical Laboratory Report

Lab Sample ID: S49983.17  
 Sample Tag: P2-SB-3(5.5-6.5)090811  
 Collected Date/Time: 09/08/2011 13:25  
 Matrix: Soil  
 COC Reference: 16147

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
----------------	-----------	--	--	-------	----------------	-----	--	--

### Inorganics

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	208-96-8
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 13:56	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	191-24-2
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	207-08-9
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	85-68-7
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	91-58-7
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	95-57-8
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	59-50-7
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	106-47-8
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	7005-72-3
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	105-60-2
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	86-74-8
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	111-91-1
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	111-44-4
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	108-60-1
Chrysene	Not detected	ug/kg	70	8270C	09/15/11 13:56	PL	218-01-9
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	120-83-2
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	105-67-9
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	51-28-5
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	121-14-2
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	606-20-2
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	91-94-1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	534-52-1
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/15/11 13:56	PL	53-70-3
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	132-64-9



# Analytical Laboratory Report

Lab Sample ID: S49983.17 (continued)

Sample Tag: P2-SB-3(5.5-6.5)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 13:56	PL	84-66-2	
Dimethyl phthalate	170	ug/kg	48 70	8270C	09/15/11 13:56	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 13:56	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 18:26	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 18:26	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 18:26	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	76-13-1	
Acetone	Not detected	ug/kg	620	5035/8260B	09/09/11 17:27	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	620	5035/8260B	09/09/11 17:27	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	620	5035/8260B	09/09/11 17:27	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-00-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.17 (continued)  
Sample Tag: P2-SB-3(5.5-6.5')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	620	5035/8260B	09/09/11 17:27	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	620	5035/8260B	09/09/11 17:27	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 17:27	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:27	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.18  
 Sample Tag: P2-SB-3(14.5-15.5')090811  
 Collected Date/Time: 09/08/2011 13:20  
 Matrix: Soil  
 COC Reference: 16147

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
----------------	-----------	--	--	-------	----------------	-----	--	--

### Inorganics

Total Solids	88	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 14:29	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/15/11 14:29	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/15/11 14:29	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	132-64-9	



# Analytical Laboratory Report

Lab Sample ID: S49983.18 (continued)  
 Sample Tag: P2-SB-3(14.5-15.5')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 14:29	PL	84-66-2	
Dimethyl phthalate	160	ug/kg	80	8270C	09/15/11 14:29	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 14:29	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 18:44	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 18:44	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 18:44	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	76-13-1	
Acetone	Not detected	ug/kg	630	5035/8260B	09/09/11 17:47	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	630	5035/8260B	09/09/11 17:47	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	630	5035/8260B	09/09/11 17:47	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-00-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.18 (continued)  
Sample Tag: P2-SB-3(14.5-15.5')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	630	5035/8260B	09/09/11 17:47	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	630	5035/8260B	09/09/11 17:47	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 17:47	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 17:47	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.19  
 Sample Tag: B-7-RO(2-3)090811  
 Collected Date/Time: 09/08/2011 08:50  
 Matrix: Soil  
 COC Reference: 16147

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

### Inorganics

Total Solids	89	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Metals

Antimony	Not detected	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-36-0
Arsenic	0.57	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-38-2
Barium	7.58	mg/kg	1.14	6020	09/23/11 15:35	PER	7440-39-3
Beryllium	Not detected	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-41-7
Boron	Not detected	mg/kg	4.58	6020	09/23/11 15:35	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-43-9
Chromium	1.05	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-47-3
Cobalt	1.14	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-48-4
Copper	1.29	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-50-8
Lead	1.55	mg/kg	0.11	6020	09/23/11 15:35	PER	7439-92-1
Manganese	107	mg/kg	0.11	6020	09/23/11 15:35	PER	7439-96-5
Mercury	Not detected	mg/kg	0.0056	7471A	09/13/11 15:14	JRT	7439-97-6
Nickel	3.04	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-02-0
Selenium	Not detected	mg/kg	0.11	6020	09/23/11 15:35	PER	7782-49-2
Silver	Not detected	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-22-4
Thallium	Not detected	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-28-0
Vanadium	1.57	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-62-2
Zinc	2.43	mg/kg	0.11	6020	09/23/11 15:35	PER	7440-66-6

### Organics - PCBs/Pesticides

#### TCL PCB List (Column 1)

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	12674-11-2
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	53469-21-9
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11104-28-2
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11141-16-5
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	12672-29-6
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11097-69-1
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11096-82-5

#### TCL PCB List (Column 2)

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	12674-11-2
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	53469-21-9
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11104-28-2



# Analytical Laboratory Report

Lab Sample ID: S49983.19 (continued)  
 Sample Tag: B-7-RO(2-3')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:13	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 15:03	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	09/15/11 15:03	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/15/11 15:03	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 15:03	PL	84-66-2	
Dimethyl phthalate	240	ug/kg	70	8270C	09/15/11 15:03	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	118-74-1	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.19 (continued)

Sample Tag: B-7-RO(2-3')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:03	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 19:03	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 19:03	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 19:03	JGH	123-91-1	
<b>TCL Volatile Organics HighLevl 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	76-13-1	
Acetone	Not detected	ug/kg	670	5035/8260B	09/09/11 18:07	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	670	5035/8260B	09/09/11 18:07	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	670	5035/8260B	09/09/11 18:07	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	67-66-3	



# Analytical Laboratory Report

Lab Sample ID: S49983.19 (continued)

Sample Tag: B-7-RO(2-3)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	670	5035/8260B	09/09/11 18:07	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	670	5035/8260B	09/09/11 18:07	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 18:07	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 18:07	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.20  
 Sample Tag: B-7-RO(12-13)090811  
 Collected Date/Time: 09/08/2011 08:55  
 Matrix: Soil  
 COC Reference: 16147

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-36-0	
Arsenic	4.82	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-38-2	
Barium	12.5	mg/kg	1.18	6020	09/23/11 15:47	PER	7440-39-3	
Beryllium	Not detected	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-41-7	
Boron	Not detected	mg/kg	4.72	6020	09/23/11 15:47	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-43-9	
Chromium	9.62	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-47-3	
Cobalt	1.32	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-48-4	
Copper	6.59	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-50-8	
Lead	5.37	mg/kg	0.12	6020	09/23/11 15:47	PER	7439-92-1	
Manganese	154	mg/kg	0.12	6020	09/23/11 15:47	PER	7439-96-5	
Mercury	Not detected	mg/kg	0.0055	7471A	09/13/11 15:39	JRT	7439-97-6	
Nickel	5.56	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-02-0	
Selenium	0.13	mg/kg	0.12	6020	09/23/11 15:47	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-28-0	
Vanadium	2.81	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-62-2	
Zinc	8.80	mg/kg	0.12	6020	09/23/11 15:47	PER	7440-66-6	

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11104-28-2	



# Analytical Laboratory Report

Lab Sample ID: S49983.20 (continued)

Sample Tag: B-7-RO(12-13)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1232	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	12672-29-6	
PCB-1254	7	ug/kg	6	8082	09/14/11 13:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	6	8082	09/14/11 13:19	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	208-96-8	
Acetophenone	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	98-86-2	
Anthracene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	120-12-7	
Atrazine	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 20:02	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	100-52-7	
Benzo(a)anthracene	600	ug/kg	100	8270C	09/15/11 20:02	PL	56-55-3	
Benzo(a)pyrene	500	ug/kg	100	8270C	09/15/11 20:02	PL	50-32-8	
Benzo(b)fluoranthene	500	ug/kg	100	8270C	09/15/11 20:02	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	191-24-2	
Benzo(k)fluoranthene	500	ug/kg	100	8270C	09/15/11 20:02	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	105-60-2	
Carbazole	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	108-60-1	
Chrysene	800	ug/kg	300	8270C	09/15/11 20:02	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/15/11 20:02	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 20:02	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 20:02	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	117-81-7	
Fluoranthene	1,500	ug/kg	100	8270C	09/15/11 20:02	PL	206-44-0	
Fluorene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	118-74-1	

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.20 (continued)

Sample Tag: B-7-RO(12-13)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorobutadiene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	87-68-3	-X-
Hexachlorocyclopentadiene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	200	ug/kg	100	8270C	09/15/11 20:02	PL	193-39-5	
Isophorone	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	86-30-6	
Naphthalene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	85-01-8	
Phenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	108-95-2	
Pyrene	1,400	ug/kg	100	8270C	09/15/11 20:02	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	100	8270C	09/15/11 20:02	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 19:21	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 19:21	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 19:21	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	76-13-1	
Acetone	Not detected	ug/kg	610	5035/8260B	09/12/11 17:47	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	610	5035/8260B	09/12/11 17:47	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	610	5035/8260B	09/12/11 17:47	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	156-59-2	

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.20 (continued)

Sample Tag: B-7-RO(12-13)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Chloroform	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	610	5035/8260B	09/12/11 17:47	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	610	5035/8260B	09/12/11 17:47	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/12/11 17:47	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 17:47	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.21  
 Sample Tag: B-7-RO(19-20)090811  
 Collected Date/Time: 09/08/2011 09:00  
 Matrix: Soil  
 COC Reference: 16147

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	87	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-36-0	
Arsenic	2.38	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-38-2	
Barium	55.5	mg/kg	1.20	6020	09/23/11 15:49	PER	7440-39-3	
Beryllium	0.18	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-41-7	
Boron	Not detected	mg/kg	4.78	6020	09/23/11 15:49	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-43-9	
Chromium	4.01	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-47-3	
Cobalt	3.41	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-48-4	
Copper	9.77	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-50-8	
Lead	4.58	mg/kg	0.12	6020	09/23/11 15:49	PER	7439-92-1	
Manganese	229	mg/kg	0.12	6020	09/23/11 15:49	PER	7439-96-5	
Mercury	0.0099	mg/kg	0.0058	7471A	09/13/11 15:41	JRT	7439-97-6	
Nickel	9.95	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-02-0	
Selenium	0.28	mg/kg	0.12	6020	09/23/11 15:49	PER	7782-49-2	
Silver	Not detected	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-28-0	
Vanadium	5.60	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-62-2	
Zinc	19.1	mg/kg	0.12	6020	09/23/11 15:49	PER	7440-66-6	

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11104-28-2	



# Analytical Laboratory Report

Lab Sample ID: S49983.21 (continued)  
 Sample Tag: B-7-RO(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:34	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 15:36	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/15/11 15:36	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/15/11 15:36	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 15:36	PL	84-66-2	
Dimethyl phthalate	170	ug/kg	UB 80	8270C	09/15/11 15:36	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	118-74-1	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.21 (continued)

Sample Tag: B-7-RO(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 15:36	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 19:39	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 19:39	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 19:39	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	76-13-1	
Acetone	Not detected	ug/kg	640	5035/8260B	09/09/11 18:47	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	640	5035/8260B	09/09/11 18:47	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	640	5035/8260B	09/09/11 18:47	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	67-66-3	



# Analytical Laboratory Report

Lab Sample ID: S49983.21 (continued)

Sample Tag: B-7-RO(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	640	5035/8260B	09/09/11 18:47	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	640	5035/8260B	09/09/11 18:47	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 18:47	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/09/11 18:47	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.22  
 Sample Tag: B-2-RO(1-2)090811  
 Collected Date/Time: 09/08/2011 10:00  
 Matrix: Soil  
 COC Reference: 16147

**Sample Containers**

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	84	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-36-0
Arsenic	3.33	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-38-2
Barium	13.0	mg/kg	1.28	6020	09/23/11 15:51	PER	7440-39-3
Beryllium	Not detected	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-41-7
Boron	Not detected	mg/kg	5.12	6020	09/23/11 15:51	PER	7440-42-8
Cadmium	Not detected	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-43-9
Chromium	2.11	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-47-3
Cobalt	0.64	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-48-4
Copper	5.54	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-50-8
Lead	2.19	mg/kg	0.13	6020	09/23/11 15:51	PER	7439-92-1
Manganese	51.4	mg/kg	0.13	6020	09/23/11 15:51	PER	7439-96-5
Mercury	0.0160	mg/kg	0.0057	7471A	09/13/11 15:43	JRT	7439-97-6
Nickel	2.11	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-02-0
Selenium	Not detected	mg/kg	0.13	6020	09/23/11 15:51	PER	7782-49-2
Silver	Not detected	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-22-4
Thallium	Not detected	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-28-0
Vanadium	2.62	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-62-2
Zinc	3.88	mg/kg	0.13	6020	09/23/11 15:51	PER	7440-66-6

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	12674-11-2
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	53469-21-9
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11104-28-2
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11141-16-5
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	12672-29-6
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11097-69-1
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11096-82-5

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	12674-11-2
PCB-1242	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	53469-21-9
PCB-1221	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11104-28-2



# Analytical Laboratory Report

Lab Sample ID: S49983.22 (continued)  
Sample Tag: B-2-RO(1-2')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1232	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/09/11 15:45	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	208-96-8	
Acetophenone	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	98-86-2	
Anthracene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	120-12-7	
Atrazine	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 18:56	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	105-60-2	
Carbazole	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	108-60-1	
Chrysene	Not detected	ug/kg	300	8270C	09/15/11 18:56	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	8270C	09/15/11 18:56	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 18:56	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	300	8270C	09/15/11 18:56	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	206-44-0	
Fluorene	700	ug/kg	200	8270C	09/15/11 18:56	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	118-74-1	

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.22 (continued)  
 Sample Tag: B-2-RO(1-2')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorobutadiene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	193-39-5	
Isophorone	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	86-30-6	
Naphthalene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	87-86-5	
Phenanthrene	600	ug/kg	200	8270C	09/15/11 18:56	PL	85-01-8	
Phenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	108-95-2	
Pyrene	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	200	8270C	09/15/11 18:56	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 19:57	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 19:57	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 19:57	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	76-13-1	
Acetone	Not detected	ug/kg	690	5035/8260B	09/09/11 19:07	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	690	5035/8260B	09/09/11 19:07	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	690	5035/8260B	09/09/11 19:07	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	156-59-2	

X-Elevated reporting limit due to matrix interference



# Analytical Laboratory Report

Lab Sample ID: S49983.22 (continued)

Sample Tag: B-2-RO(1-2')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	690	5035/8260B	09/09/11 19:07	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	690	5035/8260B	09/09/11 19:07	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	56-23-5	
Benzene	120	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-27-4	
Methyl cyclohexane	320	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 19:07	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 19:07	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.23  
 Sample Tag: B-2-RO(19-20)090811  
 Collected Date/Time: 09/08/2011 10:05  
 Matrix: Soil  
 COC Reference: 16147

**Sample Containers**

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
Extraction, PCB	Completed			3550B	09/09/11 13:33	ADB		
Mercury Digestion	Completed			7471A	09/13/11 09:00	JRH		
Metal Digestion	Completed			3050B	09/21/11 12:00	PER		

**Inorganics**

Total Solids	90	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Metals**

Antimony	Not detected	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-36-0	
Arsenic	1.22	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-38-2	
Barium	27.2	mg/kg	1.10	6020	09/23/11 15:54	PER	7440-39-3	
Beryllium	0.11	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-41-7	
Boron	Not detected	mg/kg	4.42	6020	09/23/11 15:54	PER	7440-42-8	
Cadmium	Not detected	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-43-9	
Chromium	2.60	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-47-3	
Cobalt	2.02	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-48-4	
Copper	6.05	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-50-8	
Lead	3.28	mg/kg	0.11	6020	09/23/11 15:54	PER	7439-92-1	
Manganese	192	mg/kg	0.11	6020	09/23/11 15:54	PER	7439-96-5	
Mercury	0.0079	mg/kg	0.0055	7471A	09/13/11 15:45	JRT	7439-97-6	
Nickel	7.26	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-02-0	
Selenium	0.19	mg/kg	0.11	6020	09/23/11 15:54	PER	7782-49-2	
Silver	Not detected	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-22-4	
Thallium	Not detected	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-28-0	
Vanadium	3.55	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-62-2	
Zinc	8.46	mg/kg	0.11	6020	09/23/11 15:54	PER	7440-66-6	

**Organics - PCBs/Pesticides**

**TCL PCB List (Column 1)**

PCB-1016	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11096-82-5	

**TCL PCB List (Column 2)**

PCB-1016	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11104-28-2	



# Analytical Laboratory Report

Lab Sample ID: S49983.23 (continued)  
Sample Tag: B-2-RO(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - PCBs/Pesticides (continued)</b>								
<b>TCL PCB List (Column 2) (continued)</b>								
PCB-1232	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	3	8082	09/14/11 13:30	JANB	11096-82-5	
<b>Organics - Semi-Volatiles</b>								
<b>TCL Semi-Volatile Organics</b>								
Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 16:10	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	09/15/11 16:10	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	09/15/11 16:10	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	09/15/11 16:10	PL	84-66-2	
Dimethyl phthalate	130	ug/kg	48	8270C	09/15/11 16:10	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	118-74-1	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.23 (continued)

Sample Tag: B-2-RO(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:10	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 20:15	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 20:15	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 20:15	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	76-13-1	
Acetone	Not detected	ug/kg	620	5035/8260B	09/12/11 18:06	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	620	5035/8260B	09/12/11 18:06	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	620	5035/8260B	09/12/11 18:06	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	67-66-3	



# Analytical Laboratory Report

Lab Sample ID: S49983.23 (continued)

Sample Tag: B-2-RO(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	620	5035/8260B	09/12/11 18:06	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	620	5035/8260B	09/12/11 18:06	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/12/11 18:06	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	09/12/11 18:06	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.24  
 Sample Tag: Trip Blank - Merit - Soil  
 Collected Date/Time: 09/08/2011 13:10  
 Matrix: Water  
 COC Reference: 16147

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/L	0.05	8260B - SIM	09/19/11 16:55	WAT	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	0.02	8260B - SIM	09/19/11 16:55	WAT	106-93-4	
1,4-Dioxane	Not detected	ug/L	5	8260B - SIM	09/19/11 16:55	WAT	123-91-1	

**TCL Volatile Organics 8260**

1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	76-13-1	
Acetone	Not detected	ug/L	10	8260B	09/19/11 17:57	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	09/19/11 17:57	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	10	8260B	09/19/11 17:57	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-01-4	
Bromomethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	09/19/11 17:57	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	10	8260B	09/19/11 17:57	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.24 (continued)

Sample Tag: Trip Blank - Merit - Soil

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics 8260 (continued)</b>								
Ethylbenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	09/19/11 17:57	WAT		
o-Xylene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	1	8260B	09/19/11 17:57	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.25  
 Sample Tag: Trip Blank - Arcadis - Soil  
 Collected Date/Time: 09/08/2011 13:10  
 Matrix: Methanol  
 COC Reference: 16147

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 20:34	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 20:34	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 20:34	JGH	123-91-1	

**TCL Volatile Organics HighLevel 5035/8260**

1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	76-13-1	
Acetone	Not detected	ug/kg	500	5035/8260B	09/09/11 19:47	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	500	5035/8260B	09/09/11 19:47	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	500	5035/8260B	09/09/11 19:47	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	156-59-2	
Chloroform	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	500	5035/8260B	09/09/11 19:47	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	500	5035/8260B	09/09/11 19:47	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	56-23-5	
Benzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	10061-01-5	
Toluene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	79-34-5	



# Analytical Laboratory Report

Lab Sample ID: S49983.25 (continued)  
Sample Tag: Trip Blank - Arcadis - Soil

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 19:47	WAT		
o-Xylene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	95-47-6	
Styrene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	98-82-8	
Bromoform	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	50	5035/8260B	09/09/11 19:47	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.26  
 Sample Tag: P2-SB-4(4-5)090811  
 Collected Date/Time: 09/08/2011 15:10  
 Matrix: Soil  
 COC Reference: 16147

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
----------------	-----------	--	--	-------	----------------	-----	--	--

### Inorganics

Total Solids	85	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	208-96-8
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 16:43	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	191-24-2
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	207-08-9
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	85-68-7
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	91-58-7
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	95-57-8
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	59-50-7
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	106-47-8
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	7005-72-3
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	105-60-2
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	86-74-8
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	111-91-1
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	111-44-4
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	108-60-1
Chrysene	Not detected	ug/kg	80	8270C	09/15/11 16:43	PL	218-01-9
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	120-83-2
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	105-67-9
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	51-28-5
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	121-14-2
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	606-20-2
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	91-94-1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	534-52-1
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/15/11 16:43	PL	53-70-3
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	132-64-9



# Analytical Laboratory Report

Lab Sample ID: S49983.26 (continued)

Sample Tag: P2-SB-4(4-5)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 16:43	PL	84-66-2	
Dimethyl phthalate	180	ug/kg	UB 80	8270C	09/15/11 16:43	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 16:43	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 20:52	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 20:52	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 20:52	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	76-13-1	
Acetone	Not detected	ug/kg	680	5035/8260B	09/19/11 20:04	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	680	5035/8260B	09/19/11 20:04	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	680	5035/8260B	09/19/11 20:04	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-00-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.26 (continued)

Sample Tag: P2-SB-4(4-5')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-34-3	
cis-1,2-Dichloroethene	210	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	680	5035/8260B	09/19/11 20:04	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	680	5035/8260B	09/19/11 20:04	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/19/11 20:04	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:04	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.27  
Sample Tag: P2-SB-4(18-19)090811  
Collected Date/Time: 09/08/2011 15:15  
Matrix: Soil  
COC Reference: 16147

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
----------------	-----------	--	--	-------	----------------	-----	--	--

### Inorganics

Total Solids	85	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 17:16	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/15/11 17:16	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/15/11 17:16	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	132-64-9	



# Analytical Laboratory Report

Lab Sample ID: S49983.27 (continued)

Sample Tag: P2-SB-4(18-19)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 17:16	PL	84-66-2	
Dimethyl phthalate	130	ug/kg	80	8270C	09/15/11 17:16	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:16	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 21:10	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 21:10	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 21:10	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	76-13-1	
Acetone	Not detected	ug/kg	680	5035/8260B	09/19/11 20:22	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	680	5035/8260B	09/19/11 20:22	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	680	5035/8260B	09/19/11 20:22	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-00-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.27 (continued)

Sample Tag: P2-SB-4(18-19)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	680	5035/8260B	09/19/11 20:22	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	680	5035/8260B	09/19/11 20:22	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/19/11 20:22	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/19/11 20:22	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.28  
 Sample Tag: P2-SB-5(5-6')090811  
 Collected Date/Time: 09/08/2011 00:01  
 Matrix: Soil  
 COC Reference: 16148

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

**Extraction / Prep.**

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
----------------	-----------	--	--	-------	----------------	-----	--	--

**Inorganics**

Total Solids	82	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

**Organics - Semi-Volatiles**

**TCL Semi-Volatile Organics**

Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	208-96-8
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 17:50	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	191-24-2
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	207-08-9
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	85-68-7
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	91-58-7
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	95-57-8
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	59-50-7
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	106-47-8
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	7005-72-3
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	105-60-2
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	86-74-8
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	111-91-1
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	111-44-4
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	108-60-1
Chrysene	Not detected	ug/kg	80	8270C	09/15/11 17:50	PL	218-01-9
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	120-83-2
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	105-67-9
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	51-28-5
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	121-14-2
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	606-20-2
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	91-94-1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	534-52-1
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/15/11 17:50	PL	53-70-3
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	132-64-9



# Analytical Laboratory Report

Lab Sample ID: S49983.28 (continued)

Sample Tag: P2-SB-5(5-6)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 17:50	PL	84-66-2	
Dimethyl phthalate	150	ug/kg	80	8270C	09/15/11 17:50	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 17:50	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	4	8260B - SIM	09/12/11 21:29	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 21:29	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	400	8260B	09/12/11 21:29	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	76-13-1	
Acetone	Not detected	ug/kg	720	5035/8260B	09/09/11 20:06	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	720	5035/8260B	09/09/11 20:06	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	720	5035/8260B	09/09/11 20:06	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-00-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.28 (continued)  
 Sample Tag: P2-SB-5(5-6')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	720	5035/8260B	09/09/11 20:06	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	720	5035/8260B	09/09/11 20:06	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 20:06	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:06	WAT	120-82-1	



# Analytical Laboratory Report

Lab Sample ID: S49983.29  
Sample Tag: P2-SB-5(19-20)090811  
Collected Date/Time: 09/08/2011 00:01  
Matrix: Soil  
COC Reference: 16148

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.7	IR
1	40ml Glass	MeOH	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	----	--------	---------------	---------	-------	-------

### Extraction / Prep.

BNA Extraction	Completed			3550B	09/13/11 23:19	EMR		
----------------	-----------	--	--	-------	----------------	-----	--	--

### Inorganics

Total Solids	85	%	1	Std M 2540 B	09/09/11 15:30	DJS		
--------------	----	---	---	--------------	----------------	-----	--	--

### Organics - Semi-Volatiles

#### TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 18:23	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	09/15/11 18:23	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	09/15/11 18:23	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	132-64-9	



# Analytical Laboratory Report

Lab Sample ID: S49983.29 (continued)

Sample Tag: P2-SB-5(19-20')090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Semi-Volatiles (continued)</b>								
<b>TCL Semi-Volatile Organics (continued)</b>								
Diethyl phthalate	Not detected	ug/kg	80	8270C	09/15/11 18:23	PL	84-66-2	
Dimethyl phthalate	200	ug/kg	80	8270C	09/15/11 18:23	PL	131-11-3	B
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	108-95-2	
Pyrene	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	09/15/11 18:23	PL	88-06-2	
<b>Organics - Volatiles</b>								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	09/12/11 21:47	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	09/12/11 21:47	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	09/12/11 21:47	JGH	123-91-1	
<b>TCL Volatile Organics HighLevel 5035/8260</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	76-13-1	
Acetone	Not detected	ug/kg	680	5035/8260B	09/09/11 20:26	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	680	5035/8260B	09/09/11 20:26	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	680	5035/8260B	09/09/11 20:26	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-00-3	

B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S49983.29 (continued)

Sample Tag: P2-SB-5(19-20)090811

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>TCL Volatile Organics HighLevel 5035/8260 (continued)</b>								
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	680	5035/8260B	09/09/11 20:26	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	680	5035/8260B	09/09/11 20:26	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	09/09/11 20:26	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	09/09/11 20:26	WAT	120-82-1	



ID#: 16146

# CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page \_\_\_ of \_\_\_

Lab Work Order #

Company Name <b>Randy Christensen / Arcadis</b>	Telephone <b>810-225-1940</b>			
Address <b>10559 Citation Dr., Suite 100</b>	For <b>Randy Christensen @ arcadis-us.com</b>			
City <b>Brighton ME 48110</b>	Project Name <b>Booth 79, 2011</b>			
State <b>ME</b>	Sample's Signature <i>[Signature]</i>			
County <b>Plant 2 / Lansing, ME</b>	Sample's Printed Name <b>Austin Westhuis</b>			
Sample ID	Collection Date	Time	Type (V)	Matrix

Sample ID	Collection Date	Time	Type (V)	Matrix	TL VOCs	TL SVOCs	THL Metals	PCBs	REMARKS
01	9/16/11	1040	✓	SO	✓	✓	✓	✓	
02	9/16/11	1045	✓	SO	✓	✓	✓	✓	
03	9/16/11	1520	✓	SO	✓	✓	✓	✓	
04	9/17/11	11000	✓	SO	✓	✓	✓	✓	
05	9/17/11	1605	✓	SO	✓	✓	✓	✓	Duplicate
06	9/17/11	1625	✓	SO	✓	✓	✓	✓	
07	9/17/11	1630	✓	SO	✓	✓	✓	✓	
08	9/17/11	1650	✓	SO	✓	✓	✓	✓	
09	9/17/11	1655	✓	SO	✓	✓	✓	✓	
10	9/17/11	1730	✓	SO	✓	✓	✓	✓	
11	9/17/11	1740	✓	SO	✓	✓	✓	✓	
12	9/17/11	1735	✓	SO	✓	✓	✓	✓	Duplicate
13	9/17/11	1830	✓	SO	✓	✓	✓	✓	
14	9/17/11	1835	✓	SO	✓	✓	✓	✓	

Special Instructions/Comments: **Deliverables Required: EDP**

QC Level **II**

P.O.# **MCT1300-1**

Received By: **Tim O'Leary** (Printed Name), *[Signature]* (Signature), **Merit** (Firm/Counter), **9-8-11 3:30P** (Date/Time)

Received By: **Andrew Ray** (Printed Name), *[Signature]* (Signature), **Merit** (Firm/Counter), **08 SEPII 1550** (Date/Time)

Lab Name: **Merit**

Shipping Tracking #: **Standard**

Condition/Cooler Temp: **4.7**

Distribution: **WHITE - Laboratory returns with results**

Shipping Tracking #: **Standard**

Condition/Cooler Temp: **4.7**

Distribution: **YELLOW - Lab copy**

Special QA/QC Instructions (V):



infrastructure, environment, buildings

ID#: 16147

# CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page      of     

Order #     

Contact & Company Name: <b>Randy Christensen / Arcadis</b>		Telephone: <b>810-225-1940</b>
Address: <b>10559 Citation Dr, Suite 100</b>		Fax:
City: <b>Brighton MI 48116</b>	State: <b>MI</b>	Email Address: <b>Randy.Christensen@arcadis-us.com</b>
Project Name/Location (City/State): <b>Plant 2 / Lansing, MI</b>		
Sampler's Printed Name: <b>Austin Westhuis</b>		
Sampler's Signature: 		

Sample ID	Date	Time	Contp	Grab	Matrix	Preservative	PARAMETER ANALYSIS & METHOD	REMARKS
15	7/7/11	1915	✓	✓	SO	None	TCL VOCs	
16	7/7/11	1920	✓	✓	SO	None	TCL VOCs	
17	7/8/11	1805	✓	✓	SO	None	TCL VOCs	
18	7/8/11	1520	✓	✓	SO	None	TCL VOCs	
19	7/8/11	0850	✓	✓	SO	None	TCL VOCs	
20	7/8/11	0855	✓	✓	SO	None	TCL VOCs	
21	7/8/11	0900	✓	✓	SO	None	TCL VOCs	
22	7/8/11	1000	✓	✓	SO	None	TCL VOCs	
23	7/8/11	1005	✓	✓	SO	None	TCL VOCs	
24	7/8/11	1310	✓	✓	SO	None	TCL VOCs	
25	7/8/11	1310	✓	✓	SO	None	TCL VOCs	
26	7/8/11	1510	✓	✓	SO	None	TCL VOCs	
27	7/8/11	1515	✓	✓	SO	None	TCL VOCs	

Special Instructions/Comments: **Deliverables Required: EDD**

QC Level: **II**

P.O.# **MLT 1300-1**

Special QA/QC Instructions (✓):

Laboratory Information and Receipt Lab Name: <b>Merit</b> <input checked="" type="checkbox"/> Cooler packed with ice (✓) Sample Receipt: <b>Standard</b>	Relinquished By Printed Name: <b>Austin Westhuis</b> Signature: Firm: <b>Arcadis</b> Date/Time: <b>7-8-11 3:30P</b>	Relinquished By Printed Name: <b>Andrew Bae</b> Signature: Firm: <b>Merit</b> Date/Time: <b>08 SEP 11 1:55P</b>
---	---	---

Distribution: **WHITE - Laboratory returns with results**    **YELLOW - Lab copy**    **PINK - Retained by ARCADIS**

