

Racer Trust Lansing- Plant 2

Data Review

LANSING, MICHIGAN

Volatiles, Semivolatiles and Metals Analyses

SDG# S49391 and S49451

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

Report: #14594R
Review Level: Tier I
Project: B0064479.2011.21INV

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # S49391 and S49451 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:

SDG Number	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	PCB	MET	MISC
S49391	P2-MW-3(0-2)-071911	S49391.01	Soil	7/19/2011		X	X		X	
	P2-MW-3(21-22)-071911	S49391.02	Soil	7/19/2011		X	X		X	
	P2-MW-3(30)-071911	S49391.03	Soil	7/19/2011		X	X		X	
S49451	P2-DUPLICATE	S49451.15	Soil	7/22/2011	P2-MW-2(31-32)	X	X		X	
	P2-MW-1(0-2)072011	S49451.01	Soil	7/20/2011		X	X		X	
	P2-MW-1(22-23)072011	S49451.03	Soil	7/20/2011		X	X		X	
	P2-MW-1(32)072011	S49451.02	Soil	7/20/2011		X	X		X	
	P2-MW-2(0.5-2.5)072211	S49451.06	Soil	7/22/2011		X	X		X	
	P2-MW-2(31-32)072211	S49451.14	Soil	7/22/2011		X	X		X	
	P2-MW-4(1-3)072111	S49451.04	Soil	7/21/2011		X	X		X	
	P2-MW-4(27)072111	S49451.05	Soil	7/21/2011		X	X		X	

Note:

1. Matrix spike/matrix spike duplicate was performed on sample locations P2-MW-2(31-32)072211 for metals and P2-MW-3(30)-071911 and P2-DUPLICATE for mercury.
2. SDG S49451 included (7) samples that are currently on hold at the laboratory.

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, 8260B - SIM and 8270C. 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 8260B 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-MW-2(31-32)/ P2-DUPLICATE	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 8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier I Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip 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
 %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 8270C	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C \pm 2°C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to 4°C \pm 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 not detected above the MDL 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. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

Note: The incorrect surrogate spiking solution was used in the original analysis resulting in high surrogate recoveries.

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.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

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-MW-2(31-32)/ P2-DUPLICATE	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 SVOCs

SVOCs: SW-846 8270C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier I Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
D. Method blanks		X		X	
E. 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

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 method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL 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.

All analytes associated with MS/MSD recoveries were within 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 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.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
P2-MW-2(31-32)/ P2-DUPLICATE	Arsenic	1.33	1.47	10.0%
	Barium	9.95	11.7	16.2%
	Beryllium	0.07	0.08	AC
	Boron	1.61	1.70	5.4%
	Cadmium	0.04	0.05	AC
	Chromium	2.4	1.95	20.7%
	Cobalt	1.16	1.24	AC
	Copper	3.4	3.77	10.3%
	Lead	1.86	2.24	18.5%
	Manganese	131	139	5.9%
	Mercury	0.0053 U	0.0071	AC
	Nickel	2.6	2.92	11.6%
	Thallium	0.04	0.06	AC
	Vanadium	2.09	2.25	7.4%
	Zinc	8.63	11.0	24.1%

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)					
Tier II Validation					
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: September 20, 2010

PEER REVIEW BY: Dennis Capria

DATE: October 04, 2011

CORRECTED SAMPLE ANALYSIS DATA SHEETS AND COCs



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.01
 Sample Tag: P2-MW-3(0-2)-071911
 Collected Date/Time: 07/19/2011 13:00
 Matrix: Soil
 COC Reference: 63526

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR
1	40ml Glass	MeOH	Yes	3.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/22/11 11:20	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	92	%	1	Std M 2540 B	07/21/11 11:30	DJS		
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Metals

Antimony	Not detected	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-36-0
Arsenic	1.80	mg/kg	0.02	6020	08/03/11 15:18	SLS	7440-38-2
Barium	33.6	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-39-3
Beryllium	0.19	mg/kg	0.02	6020	08/03/11 15:18	SLS	7440-41-7
Boron	0.76	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-42-8
Cadmium	0.18	mg/kg	0.02	6020	08/03/11 15:18	SLS	7440-43-9
Chromium	4.29	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-47-3
Cobalt	1.73	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-48-4
Copper	13.4	mg/kg	0.12	6020	08/03/11 15:18	SLS	7440-50-8
Lead	33.9	mg/kg	0.12	6020	08/03/11 15:18	SLS	7439-92-1
Manganese	155	mg/kg	0.23	6020	08/03/11 15:18	SLS	7439-96-5
Mercury	0.0250	mg/kg	0.0055	7471A	07/22/11 14:50	JRT	7439-97-6
Nickel	10.4	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-02-0
Selenium	Not detected	mg/kg	0.23	6020	08/03/11 15:18	SLS	7782-49-2
Silver	0.12	mg/kg	0.12	6020	08/03/11 15:18	SLS	7440-22-4
Thallium	Not detected	mg/kg	0.02	6020	08/03/11 15:18	SLS	7440-28-0
Vanadium	5.03	mg/kg	0.12	6020	08/03/11 15:18	SLS	7440-62-2
Zinc	30.2	mg/kg	0.23	6020	08/03/11 15:18	SLS	7440-66-6

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	208-96-8
Acetophenone	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	08/03/11 18:06	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	100-52-7
Benzo(a)anthracene	140	ug/kg	40	8270C	08/03/11 18:06	PL	56-55-3
Benzo(a)pyrene	160	ug/kg	40	8270C	08/03/11 18:06	PL	50-32-8
Benzo(b)fluoranthene	190	ug/kg	40	8270C	08/03/11 18:06	PL	205-99-2
Benzo(ghi)perylene	70	ug/kg	40	8270C	08/03/11 18:06	PL	191-24-2



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.01 (continued)

Sample Tag: P2-MW-3(0-2)-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	150	ug/kg	40	8270C	08/03/11 18:06	PL	207-08-9	
Butyl benzyl phthalate	50	ug/kg	40	8270C	08/03/11 18:06	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	108-60-1	
Chrysene	210	ug/kg	70	8270C	08/03/11 18:06	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	08/03/11 18:06	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	08/03/11 18:06	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	70	8270C	08/03/11 18:06	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	117-81-7	
Fluoranthene	260	ug/kg	40	8270C	08/03/11 18:06	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	60	ug/kg	40	8270C	08/03/11 18:06	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	87-86-5	
Phenanthrene	120	ug/kg	40	8270C	08/03/11 18:06	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	108-95-2	



Analytical Laboratory Report

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Lab Sample ID: S49391.01 (continued)

Sample Tag: P2-MW-3(0-2)-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	250	ug/kg	40	8270C	08/03/11 18:06	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:06	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/28/11 10:28	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/28/11 10:28	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/28/11 10:28	WAT	123-91-1	
TCL Volatile Organics HighLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	76-13-1	
Acetone	Not detected	ug/kg	590	5035/8260B	08/01/11 21:44	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	590	5035/8260B	08/01/11 21:44	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	590	5035/8260B	08/01/11 21:44	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	590	5035/8260B	08/01/11 21:44	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	590	5035/8260B	08/01/11 21:44	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.01 (continued)

Sample Tag: P2-MW-3(0-2')-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/01/11 21:44	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	98-82-8	
Bromofom	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 21:44	WAT	120-82-1	



Analytical Laboratory Report

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Lab Sample ID: S49391.02
 Sample Tag: P2-MW-3(21-22')-071911
 Collected Date/Time: 07/19/2011 16:16
 Matrix: Soil
 COC Reference: 63526

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR
1	40ml Glass	MeOH	Yes	3.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/22/11 11:20	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	88	%	1	Std M 2540 B	07/21/11 11:30	DJS		
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Metals

Antimony	Not detected	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-36-0	
Arsenic	2.31	mg/kg	0.02	6020	08/03/11 15:23	SLS	7440-38-2	
Barium	34.6	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-39-3	
Beryllium	0.16	mg/kg	0.02	6020	08/03/11 15:23	SLS	7440-41-7	
Boron	1.46	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-42-8	
Cadmium	0.08	mg/kg	0.02	6020	08/03/11 15:23	SLS	7440-43-9	
Chromium	3.14	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-47-3	
Cobalt	2.54	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-48-4	
Copper	9.06	mg/kg	0.11	6020	08/03/11 15:23	SLS	7440-50-8	
Lead	4.28	mg/kg	0.11	6020	08/03/11 15:23	SLS	7439-92-1	
Manganese	242	mg/kg	0.22	6020	08/03/11 15:23	SLS	7439-96-5	
Mercury	0.0097	mg/kg	0.0057	7471A	07/22/11 14:52	JRT	7439-97-6	
Nickel	5.88	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.22	6020	08/03/11 15:23	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.11	6020	08/03/11 15:23	SLS	7440-22-4	
Thallium	0.05	mg/kg	0.02	6020	08/03/11 15:23	SLS	7440-28-0	
Vanadium	4.74	mg/kg	0.11	6020	08/03/11 15:23	SLS	7440-62-2	
Zinc	11.8	mg/kg	0.22	6020	08/03/11 15:23	SLS	7440-66-8	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	08/03/11 18:41	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.02 (continued)

Sample Tag: P2-MW-3(21-22)-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	08/03/11 18:41	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	08/03/11 18:41	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	08/03/11 18:41	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	80	8270C	08/03/11 18:41	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.02 (continued)

Sample Tag: P2-MWV-3(21-22)-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 18:41	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/28/11 10:46	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/28/11 10:46	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/28/11 10:46	WAT	123-91-1	
TCL Volatile Organics HighLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	76-13-1	
Acetone	Not detected	ug/kg	630	5035/8260B	08/01/11 22:02	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	630	5035/8260B	08/01/11 22:02	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	630	5035/8260B	08/01/11 22:02	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	630	5035/8260B	08/01/11 22:02	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	630	5035/8260B	08/01/11 22:02	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	100-41-4	



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Lab Sample ID: S49391.02 (continued)

Sample Tag: P2-MWV-3(21-22')-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/01/11 22:02	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:02	WAT	120-82-1	



Analytical Laboratory Report

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Lab Sample ID: S49391.03
 Sample Tag: P2-MW-3(30)-071911
 Collected Date/Time: 07/19/2011 16:25
 Matrix: Soil
 COC Reference: 63526

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR
1	40ml Glass	MeOH	Yes	3.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/22/11 11:20	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	88	%	1	Std M 2540 B	07/21/11 11:30	DJS		
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Metals

Antimony	Not detected	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-36-0	
Arsenic	1.24	mg/kg	0.02	6020	08/03/11 15:27	SLS	7440-38-2	
Barium	30.3	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-39-3	
Beryllium	0.19	mg/kg	0.02	6020	08/03/11 15:27	SLS	7440-41-7	
Boron	2.03	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-42-8	
Cadmium	0.09	mg/kg	0.02	6020	08/03/11 15:27	SLS	7440-43-9	
Chromium	5.03	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-47-3	
Cobalt	2.67	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-48-4	
Copper	10.0	mg/kg	0.11	6020	08/03/11 15:27	SLS	7440-50-8	
Lead	4.63	mg/kg	0.11	6020	08/03/11 15:27	SLS	7439-92-1	
Manganese	237	mg/kg	0.22	6020	08/03/11 15:27	SLS	7439-96-5	
Mercury	0.0091	mg/kg	0.0057	7471A	07/22/11 14:54	JRT	7439-97-6	
Nickel	6.37	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.22	6020	08/03/11 15:27	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.11	6020	08/03/11 15:27	SLS	7440-22-4	
Thallium	0.03	mg/kg	0.02	6020	08/03/11 15:27	SLS	7440-28-0	
Vanadium	5.17	mg/kg	0.11	6020	08/03/11 15:27	SLS	7440-62-2	
Zinc	14.1	mg/kg	0.22	6020	08/03/11 15:27	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	08/03/11 19:15	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.03 (continued)

Sample Tag: P2-MWV-3(30)-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	7005-72-3	
Caproactam	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	08/03/11 19:15	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	08/03/11 19:15	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	08/03/11 19:15	PL	84-86-2	
Dimethyl phthalate	Not detected	ug/kg	80	8270C	08/03/11 19:15	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	108-95-2	



Analytical Laboratory Report

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Lab Sample ID: S49391.03 (continued)

Sample Tag: P2-MW-3(30')-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 19:15	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/28/11 11:05	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/28/11 11:05	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/28/11 11:05	WAT	123-91-1	
TCL Volatile Organics HighLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	76-13-1	
Acetone	Not detected	ug/kg	640	5035/8260B	08/01/11 22:20	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	640	5035/8260B	08/01/11 22:20	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	640	5035/8260B	08/01/11 22:20	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	640	5035/8260B	08/01/11 22:20	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	640	5035/8260B	08/01/11 22:20	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49391.03 (continued)

Sample Tag: P2-MW-3(30')-071911

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/01/11 22:20	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/01/11 22:20	WAT	120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.01
 Sample Tag: P2-MW-1(0-2)072011
 Collected Date/Time: 07/20/2011 11:21
 Matrix: Soil
 COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	93	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-36-0	
Arsenic	1.69	mg/kg	0.01	6020	08/03/11 15:32	SLS	7440-38-2	
Barium	28.6	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-39-3	
Beryllium	0.13	mg/kg	0.01	6020	08/03/11 15:32	SLS	7440-41-7	
Boron	1.19	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-42-8	
Cadmium	0.13	mg/kg	0.01	6020	08/03/11 15:32	SLS	7440-43-9	
Chromium	1.48	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-47-3	
Cobalt	1.26	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-48-4	
Copper	5.09	mg/kg	0.06	6020	08/03/11 15:32	SLS	7440-50-8	
Lead	6.99	mg/kg	0.06	6020	08/03/11 15:32	SLS	7439-92-1	
Manganese	120	mg/kg	0.11	6020	08/03/11 15:32	SLS	7439-96-5	
Mercury	0.0137	mg/kg	0.0050	7471A	07/27/11 15:58	JRT	7439-97-6	
Nickel	2.96	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.11	6020	08/03/11 15:32	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.06	6020	08/03/11 15:32	SLS	7440-22-4	
Thallium	0.02	mg/kg	0.01	6020	08/03/11 15:32	SLS	7440-28-0	
Vanadium	2.78	mg/kg	0.06	6020	08/03/11 15:32	SLS	7440-62-2	
Zinc	6.23	mg/kg	0.11	6020	08/03/11 15:32	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	08/03/11 21:31	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	50-32-8	
Benzo(b)fluoranthene	50	ug/kg	40	8270C	08/03/11 21:31	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.01 (continued)

Sample Tag: P2-MW-1(0-2)072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	40	ug/kg	40	8270C	08/03/11 21:31	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	08/03/11 21:31	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	08/03/11 21:31	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	08/03/11 21:31	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	70	8270C	08/03/11 21:31	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	117-81-7	
Fluoranthene	60	ug/kg	40	8270C	08/03/11 21:31	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	87-86-5	
Phenanthrene	40	ug/kg	40	8270C	08/03/11 21:31	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.01 (continued)

Sample Tag: P2-MW-1(0-2)072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	60	ug/kg	40	8270C	08/03/11 21:31	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/03/11 21:31	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 17:40	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 17:40	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 17:40	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	08/02/11 23:39	WAT	76-13-1	
Acetone	Not detected	ug/kg	570	5035/8260B	08/02/11 23:39	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	570	5035/8260B	08/02/11 23:39	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	570	5035/8260B	08/02/11 23:39	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	570	5035/8260B	08/02/11 23:39	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	570	5035/8260B	08/02/11 23:39	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-27-4	
Methyl cyclohexane	90	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.01 (continued)

Sample Tag: P2-MW-1(0-2)072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/02/11 23:39	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:39	WAT	120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.02
 Sample Tag: P2-MW-1(32)072011
 Collected Date/Time: 07/20/2011 13:15
 Matrix: Soil
 COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	86	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-36-0	
Arsenic	3.77	mg/kg	0.02	6020	08/03/11 15:37	SLS	7440-38-2	
Barium	30.2	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-39-3	
Beryllium	0.16	mg/kg	0.02	6020	08/03/11 15:37	SLS	7440-41-7	
Boron	1.74	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-42-8	
Cadmium	0.15	mg/kg	0.02	6020	08/03/11 15:37	SLS	7440-43-9	
Chromium	2.81	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-47-3	
Cobalt	3.56	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-48-4	
Copper	9.87	mg/kg	0.11	6020	08/03/11 15:37	SLS	7440-50-8	
Lead	5.25	mg/kg	0.11	6020	08/03/11 15:37	SLS	7439-92-1	
Manganese	258	mg/kg	0.22	6020	08/03/11 15:37	SLS	7439-96-5	
Mercury	0.0102	mg/kg	0.0056	7471A	07/27/11 16:00	JRT	7439-97-6	
Nickel	8.86	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.22	6020	08/03/11 15:37	SLS	7782-49-2	
Silver	0.14	mg/kg	0.11	6020	08/03/11 15:37	SLS	7440-22-4	
Thallium	0.13	mg/kg	0.02	6020	08/03/11 15:37	SLS	7440-28-0	
Vanadium	4.98	mg/kg	0.11	6020	08/03/11 15:37	SLS	7440-62-2	
Zinc	21.0	mg/kg	0.22	6020	08/03/11 15:37	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	08/04/11 19:47	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	191-24-2	



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Lab Sample ID: S49451.02 (continued)

Sample Tag: P2-MWV-1(32')072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	08/04/11 19:47	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	08/04/11 19:47	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	08/04/11 19:47	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	80	8270C	08/04/11 19:47	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.02 (continued)

Sample Tag: P2-MW-1(32)072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 19:47	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 17:58	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 17:58	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 17:58	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	08/02/11 23:58	WAT	76-13-1	
Acetone	Not detected	ug/kg	640	5035/8260B	08/02/11 23:58	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	640	5035/8260B	08/02/11 23:58	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	640	5035/8260B	08/02/11 23:58	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	640	5035/8260B	08/02/11 23:58	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	640	5035/8260B	08/02/11 23:58	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.02 (continued)

Sample Tag: P2-MW-1(32)072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/02/11 23:58	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/02/11 23:58	WAT	120-82-1	



Analytical Laboratory Report

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Lab Sample ID: S49451.03
Sample Tag: P2-MW-1(22-23') 072011
Collected Date/Time: 07/20/2011 13:33
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	89	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-36-0
Arsenic	1.77	mg/kg	0.02	6020	08/03/11 15:41	SLS	7440-38-2
Barium	19.4	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-39-3
Beryllium	0.14	mg/kg	0.02	6020	08/03/11 15:41	SLS	7440-41-7
Boron	1.44	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-42-8
Cadmium	0.14	mg/kg	0.02	6020	08/03/11 15:41	SLS	7440-43-9
Chromium	1.79	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-47-3
Cobalt	2.20	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-48-4
Copper	8.68	mg/kg	0.11	6020	08/03/11 15:41	SLS	7440-50-8
Lead	4.45	mg/kg	0.11	6020	08/03/11 15:41	SLS	7439-92-1
Manganese	253	mg/kg	0.21	6020	08/03/11 15:41	SLS	7439-96-5
Mercury	0.0076	mg/kg	0.0057	7471A	07/27/11 16:02	JRT	7439-97-6
Nickel	5.47	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-02-0
Selenium	Not detected	mg/kg	0.21	6020	08/03/11 15:41	SLS	7782-49-2
Silver	Not detected	mg/kg	0.11	6020	08/03/11 15:41	SLS	7440-22-4
Thallium	0.06	mg/kg	0.02	6020	08/03/11 15:41	SLS	7440-28-0
Vanadium	3.65	mg/kg	0.11	6020	08/03/11 15:41	SLS	7440-62-2
Zinc	27.0	mg/kg	0.21	6020	08/03/11 15:41	SLS	7440-66-6

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	83-32-9
Acenaphthylene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	208-96-8
Acetophenone	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	98-86-2
Anthracene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	120-12-7
Atrazine	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	1912-24-9
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	92-52-4
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	101-55-3
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 20:22	PL	84-74-2
Benzaldehyde	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	100-52-7
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	56-55-3
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	50-32-8
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	205-99-2
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	191-24-2



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.03 (continued)

Sample Tag: P2-MW-1(22-23') 072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	08/04/11 20:22	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	08/04/11 20:22	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 20:22	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 20:22	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.03 (continued)

Sample Tag: P2-MW-1(22-23') 072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:22	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 18:16	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 18:16	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 18:16	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	08/03/11 00:16	WAT	76-13-1	
Acetone	Not detected	ug/kg	600	5035/8260B	08/03/11 00:16	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	600	5035/8260B	08/03/11 00:16	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	600	5035/8260B	08/03/11 00:16	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	600	5035/8260B	08/03/11 00:16	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	600	5035/8260B	08/03/11 00:16	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.03 (continued)

Sample Tag: P2-MW-1(22-23') 072011

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/03/11 00:16	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 00:16	WAT	120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.04
 Sample Tag: P2-MW-4(1-3') 072111
 Collected Date/Time: 07/21/2011 11:30
 Matrix: Soil
 COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	96	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-36-0	
Arsenic	27.3	mg/kg	0.02	6020	08/03/11 15:46	SLS	7440-38-2	
Barium	22.3	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-39-3	
Beryllium	0.15	mg/kg	0.02	6020	08/03/11 15:46	SLS	7440-41-7	
Boron	1.20	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-42-8	
Cadmium	0.25	mg/kg	0.02	6020	08/03/11 15:46	SLS	7440-43-9	
Chromium	3.35	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-47-3	
Cobalt	1.87	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-48-4	
Copper	10.5	mg/kg	0.10	6020	08/03/11 15:46	SLS	7440-50-8	
Lead	35.8	mg/kg	0.10	6020	08/03/11 15:46	SLS	7439-92-1	
Manganese	151	mg/kg	0.20	6020	08/03/11 15:46	SLS	7439-96-5	
Mercury	0.0175	mg/kg	0.0051	7471A	07/27/11 16:04	JRT	7439-97-6	
Nickel	4.65	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.20	6020	08/03/11 15:46	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.10	6020	08/03/11 15:46	SLS	7440-22-4	
Thallium	0.02	mg/kg	0.02	6020	08/03/11 15:46	SLS	7440-28-0	
Vanadium	3.55	mg/kg	0.10	6020	08/03/11 15:46	SLS	7440-62-2	
Zinc	24.1	mg/kg	0.20	6020	08/03/11 15:46	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	5,100	ug/kg	300	8270C	08/05/11 04:16	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	208-96-8	
Acetophenone	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	98-86-2	
Anthracene	6,700	ug/kg	300	8270C	08/05/11 04:16	PL	120-12-7	
Atrazine	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	1912-24-9	X
1,1'-Biphenyl	600	ug/kg	300	8270C	08/05/11 04:16	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	500	8270C	08/05/11 04:16	PL	84-74-2	X
Benzaldehyde	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	100-52-7	
Benzo(a)anthracene	10,700	ug/kg	300	8270C	08/05/11 04:16	PL	56-55-3	
Benzo(a)pyrene	9,400	ug/kg	300	8270C	08/05/11 04:16	PL	50-32-8	
Benzo(b)fluoranthene	10,200	ug/kg	300	8270C	08/05/11 04:16	PL	205-99-2	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.04 (continued)
 Sample Tag: P2-MW-4(1-3') 072111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	2,400	ug/kg	300	8270C	08/05/11 04:16	PL	191-24-2	
Benzo(k)fluoranthene	9,300	ug/kg	300	8270C	08/05/11 04:16	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	105-60-2	
Carbazole	4,500	ug/kg	300	8270C	08/05/11 04:16	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	108-60-1	
Chrysene	13,400	ug/kg	500	8270C	08/05/11 04:16	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	500	8270C	08/05/11 04:16	PL	53-70-3	X
Dibenzofuran	4,900	ug/kg	300	8270C	08/05/11 04:16	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	500	8270C	08/05/11 04:16	PL	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	500	8270C	08/05/11 04:16	PL	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	117-81-7	
Fluoranthene	23,900	ug/kg	300	8270C	08/05/11 04:16	PL	206-44-0	
Fluorene	6,100	ug/kg	300	8270C	08/05/11 04:16	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	2,700	ug/kg	300	8270C	08/05/11 04:16	PL	193-39-5	
Isophorone	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	78-59-1	
2-Methylnaphthalene	1,700	ug/kg	300	8270C	08/05/11 04:16	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	86-30-6	
Naphthalene	2,000	ug/kg	300	8270C	08/05/11 04:16	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	87-86-5	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.04 (continued)

Sample Tag: P2-MW-4(1-3') 072111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Phenanthrene	28,400	ug/kg	300	8270C	08/05/11 04:16	PL	85-01-8	
Phenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	108-95-2	
Pyrene	20,000	ug/kg	300	8270C	08/05/11 04:16	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	300	8270C	08/05/11 04:16	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 18:35	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 18:35	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 18:35	JGH	123-91-1	
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	76-13-1	
Acetone	Not detected	ug/kg	510	5035/8260B	08/03/11 00:34	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	510	5035/8260B	08/03/11 00:34	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	510	5035/8260B	08/03/11 00:34	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	156-59-2	
Chloroform	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	510	5035/8260B	08/03/11 00:34	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	510	5035/8260B	08/03/11 00:34	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	56-23-5	
Benzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	10061-01-5	
Toluene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT	108-90-7	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.04 (continued)

Sample Tag: P2-MW-4(1-3') 072111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
Organics - Volatiles (continued)							
TCL Volatile Organics HighLevel 5035/8260 (continued)							
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 79-34-5	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 100-41-4	
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/03/11 00:34	WAT	
o-Xylene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 95-47-6	
Styrene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 100-42-5	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 98-82-8	
Bromoform	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 00:34	WAT 120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.05
 Sample Tag: P2-MW-4(27) 072111
 Collected Date/Time: 07/21/2011 13:30
 Matrix: Soil
 COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	82	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-36-0	
Arsenic	5.08	mg/kg	0.02	6020	08/03/11 16:23	SLS	7440-38-2	
Barium	19.4	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-39-3	
Beryllium	0.12	mg/kg	0.02	6020	08/03/11 16:23	SLS	7440-41-7	
Boron	1.85	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-42-8	
Cadmium	0.11	mg/kg	0.02	6020	08/03/11 16:23	SLS	7440-43-9	
Chromium	1.88	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-47-3	
Cobalt	2.43	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-48-4	
Copper	6.97	mg/kg	0.12	6020	08/03/11 16:23	SLS	7440-50-8	
Lead	4.19	mg/kg	0.12	6020	08/03/11 16:23	SLS	7439-92-1	
Manganese	226	mg/kg	0.24	6020	08/03/11 16:23	SLS	7439-96-5	
Mercury	Not detected	mg/kg	0.0061	7471A	07/27/11 16:07	JRT	7439-97-6	
Nickel	5.47	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.24	6020	08/03/11 16:23	SLS	7782-49-2	
Silver	0.12	mg/kg	0.12	6020	08/03/11 16:23	SLS	7440-22-4	
Thallium	0.07	mg/kg	0.02	6020	08/03/11 16:23	SLS	7440-28-0	
Vanadium	3.78	mg/kg	0.12	6020	08/03/11 16:23	SLS	7440-62-2	
Zinc	20.2	mg/kg	0.24	6020	08/03/11 16:23	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	80	8270C	08/04/11 20:56	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.05 (continued)

Sample Tag: P2-MW-4(27) 072111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	108-60-1	
Chrysene	Not detected	ug/kg	80	8270C	08/04/11 20:56	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	80	8270C	08/04/11 20:56	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	80	8270C	08/04/11 20:56	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	80	8270C	08/04/11 20:56	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	108-95-2	



Analytical Laboratory Report

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Lab Sample ID: S49451.05 (continued)

Sample Tag: P2-MW-4(27') 072111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 20:56	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 18:53	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 18:53	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 18:53	JGH	123-91-1	
TCL Volatile Organics HighLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	76-13-1	
Acetone	Not detected	ug/kg	700	5035/8260B	08/03/11 00:52	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	700	5035/8260B	08/03/11 00:52	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	700	5035/8260B	08/03/11 00:52	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	156-59-2	
Chloroform	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	700	5035/8260B	08/03/11 00:52	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	700	5035/8260B	08/03/11 00:52	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	10061-01-5	
Toluene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.05 (continued)

Sample Tag: P2-MW-4(27') 072111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/03/11 00:52	WAT		
o-Xylene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	98-82-8	
Bromoform	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	70	5035/8260B	08/03/11 00:52	WAT	120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.06
 Sample Tag: P2-MW-2(0.5-2.5) 072211
 Collected Date/Time: 07/22/2011 10:20
 Matrix: Soil
 COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	91	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-36-0	
Arsenic	0.56	mg/kg	0.02	6020	08/03/11 15:55	SLS	7440-38-2	
Barium	55.4	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-39-3	
Beryllium	0.30	mg/kg	0.02	6020	08/03/11 15:55	SLS	7440-41-7	
Boron	0.50	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-42-8	
Cadmium	0.07	mg/kg	0.02	6020	08/03/11 15:55	SLS	7440-43-9	
Chromium	4.43	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-47-3	
Cobalt	1.88	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-48-4	
Copper	4.69	mg/kg	0.11	6020	08/03/11 15:55	SLS	7440-50-8	
Lead	4.55	mg/kg	0.11	6020	08/03/11 15:55	SLS	7439-92-1	
Manganese	130	mg/kg	0.23	6020	08/03/11 15:55	SLS	7439-96-5	
Mercury	0.0095	mg/kg	0.0053	7471A	07/27/11 16:09	JRT	7439-97-6	
Nickel	3.61	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.23	6020	08/03/11 15:55	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.11	6020	08/03/11 15:55	SLS	7440-22-4	
Thallium	Not detected	mg/kg	0.02	6020	08/03/11 15:55	SLS	7440-28-0	
Vanadium	5.54	mg/kg	0.11	6020	08/03/11 15:55	SLS	7440-62-2	
Zinc	8.15	mg/kg	0.23	6020	08/03/11 15:55	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	08/05/11 03:42	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.06 (continued)

Sample Tag: P2-MW-2(0.5-2.5) 072211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	08/05/11 03:42	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	08/05/11 03:42	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	08/05/11 03:42	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	70	8270C	08/05/11 03:42	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	117-81-7	
Fluoranthene	40	ug/kg	40	8270C	08/05/11 03:42	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.06 (continued)
Sample Tag: P2-MW-2(0.5-2.5) 072211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/05/11 03:42	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 19:12	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 19:12	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 19:12	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	08/03/11 01:10	WAT	76-13-1	
Acetone	Not detected	ug/kg	560	5035/8260B	08/03/11 01:10	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	560	5035/8260B	08/03/11 01:10	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	560	5035/8260B	08/03/11 01:10	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	560	5035/8260B	08/03/11 01:10	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	560	5035/8260B	08/03/11 01:10	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.06 (continued)

Sample Tag: P2-MW-2(0.5-2.5) 072211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
Organics - Volatiles (continued)							
TCL Volatile Organics HighLevel 5035/8260 (continued)							
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/03/11 01:10	WAT	
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:10	WAT 120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.07
Sample Tag: P2-MW-2(5'-8') 072211
Collected Date/Time: 07/22/2011 10:39
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
<i>Other / Misc.</i>							
Hold until notified	Completed				07/25/11 14:30	PCS	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.08
Sample Tag: P2-MW-2(8'-13') 072211
Collected Date/Time: 07/22/2011 10:55
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				07/25/11 14:30	PCS		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.09
Sample Tag: P2-MW-2(13'-18') 072211
Collected Date/Time: 07/22/2011 11:05
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
Other / Misc.							
Hold until notified	Completed				07/25/11 14:30	PCS	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.10
Sample Tag: P2-MW-2(18'-23') 072211
Collected Date/Time: 07/22/2011 12:50
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
<i>Other / Misc.</i>							
Hold until notified	Completed				07/25/11 14:30	PCS	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.11
Sample Tag: P2-MW-2(23'-28') 072211
Collected Date/Time: 07/22/2011 12:55
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
Other / Misc.							
Hold until notified	Completed				07/25/11 14:30	PCS	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.12
Sample Tag: P2-MW-2(28'-33') 072211
Collected Date/Time: 07/22/2011 13:16
Matrix: Soil
COC Reference: 63534

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
<i>Other / Misc.</i>							
Hold until notified	Completed				07/25/11 14:30	PCS	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.13
Sample Tag: P2-MW-2(38'-43') 072211
Collected Date/Time: 07/22/2011 13:35
Matrix: Soil
COC Reference: 63530

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst CAS #	Flags
Other / Misc.							
Hold until notified	Completed				07/25/11 14:30	PCS	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.14
 Sample Tag: P2-MW-2(31'-32') 072211
 Collected Date/Time: 07/22/2011 13:45
 Matrix: Soil
 COC Reference: 63530

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	95	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-36-0	
Arsenic	1.33	mg/kg	0.02	6020	08/03/11 16:41	SLS	7440-38-2	
Barium	9.95	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-39-3	
Beryllium	0.07	mg/kg	0.02	6020	08/03/11 16:41	SLS	7440-41-7	
Boron	1.61	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-42-8	
Cadmium	0.04	mg/kg	0.02	6020	08/03/11 16:41	SLS	7440-43-9	
Chromium	2.40	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-47-3	
Cobalt	1.16	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-48-4	
Copper	3.40	mg/kg	0.11	6020	08/03/11 16:41	SLS	7440-50-8	
Lead	1.86	mg/kg	0.11	6020	08/03/11 16:41	SLS	7439-92-1	
Manganese	131	mg/kg	0.23	6020	08/03/11 16:41	SLS	7439-96-5	
Mercury	Not detected	mg/kg	0.0053	7471A	07/27/11 16:11	JRT	7439-97-6	
Nickel	2.60	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.23	6020	08/03/11 16:41	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.11	6020	08/03/11 16:41	SLS	7440-22-4	
Thallium	0.04	mg/kg	0.02	6020	08/03/11 16:41	SLS	7440-28-0	
Vanadium	2.09	mg/kg	0.11	6020	08/03/11 16:41	SLS	7440-62-2	
Zinc	8.63	mg/kg	0.23	6020	08/03/11 16:41	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 21:30	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.14 (continued)

Sample Tag: P2-MW-2(31'-32') 072211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	08/04/11 21:30	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	08/04/11 21:30	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 21:30	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 21:30	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.14 (continued)

Sample Tag: P2-MW-2(31'-32') 072211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 21:30	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 19:30	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 19:30	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 19:30	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	08/03/11 01:28	WAT	76-13-1	
Acetone	Not detected	ug/kg	540	5035/8260B	08/03/11 01:28	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	540	5035/8260B	08/03/11 01:28	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	540	5035/8260B	08/03/11 01:28	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	156-59-2	
Chloroform	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	540	5035/8260B	08/03/11 01:28	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	540	5035/8260B	08/03/11 01:28	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	56-23-5	
Benzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	10061-01-5	
Toluene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.14 (continued)
Sample Tag: P2-MW-2(31'-32') 072211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/03/11 01:28	WAT		
o-Xylene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	95-47-6	
Styrene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	98-82-8	
Bromoform	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	50	5035/8260B	08/03/11 01:28	WAT	120-82-1	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.15
Sample Tag: P2-Duplicate
Collected Date/Time: 07/22/2011 13:55
Matrix: Soil
COC Reference: 63530

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.0	IR
1	40ml Glass	MeOH	Yes	4.0	IR

Analysis

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/01/11 22:07	DLR		
Mercury Digestion	Completed			7471A	07/27/11 13:00	JRH		
Metal Digestion	Completed			3050B	08/03/11 01:00	SLR		

Inorganics

Total Solids	93	%	1	Std M 2540 B	07/25/11 15:00	DJS		
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Metals

Antimony	Not detected	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-36-0	
Arsenic	1.47	mg/kg	0.02	6020	08/03/11 17:52	SLS	7440-38-2	
Barium	11.7	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-39-3	
Beryllium	0.08	mg/kg	0.02	6020	08/03/11 17:52	SLS	7440-41-7	
Boron	1.70	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-42-8	
Cadmium	0.05	mg/kg	0.02	6020	08/03/11 17:52	SLS	7440-43-9	
Chromium	1.95	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-47-3	
Cobalt	1.24	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-48-4	
Copper	3.77	mg/kg	0.11	6020	08/03/11 17:52	SLS	7440-50-8	
Lead	2.24	mg/kg	0.11	6020	08/03/11 17:52	SLS	7439-92-1	
Manganese	139	mg/kg	0.22	6020	08/03/11 17:52	SLS	7439-96-5	
Mercury	0.0071	mg/kg	0.0054	7471A	07/27/11 16:13	JRT	7439-97-6	
Nickel	2.92	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-02-0	
Selenium	Not detected	mg/kg	0.22	6020	08/03/11 17:52	SLS	7782-49-2	
Silver	Not detected	mg/kg	0.11	6020	08/03/11 17:52	SLS	7440-22-4	
Thallium	0.06	mg/kg	0.02	6020	08/03/11 17:52	SLS	7440-28-0	
Vanadium	2.25	mg/kg	0.11	6020	08/03/11 17:52	SLS	7440-62-2	
Zinc	11.0	mg/kg	0.22	6020	08/03/11 17:52	SLS	7440-66-6	

Organics - Semi-Volatiles

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	208-96-8	
Acetophenone	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	98-86-2	
Anthracene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	120-12-7	
Atrazine	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 22:04	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	191-24-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.15 (continued)

Sample Tag: P2-Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(k)fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	105-60-2	
Carbazole	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	108-60-1	
Chrysene	Not detected	ug/kg	70	8270C	08/04/11 22:04	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	70	8270C	08/04/11 22:04	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 22:04	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	70	8270C	08/04/11 22:04	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	206-44-0	
Fluorene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	193-39-5	
Isophorone	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	86-30-6	
Naphthalene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	85-01-8	
Phenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	108-95-2	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.15 (continued)

Sample Tag: P2-Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	40	8270C	08/04/11 22:04	PL	88-06-2	
Organics - Volatiles								
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	3	8260B - SIM	07/27/11 19:48	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	1	8260B - SIM	07/27/11 19:48	JGH	106-93-4	
1,4-Dioxane	Not detected	ug/kg	300	8260B	07/27/11 19:48	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	08/03/11 01:46	WAT	76-13-1	
Acetone	Not detected	ug/kg	560	5035/8260B	08/03/11 01:46	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	560	5035/8260B	08/03/11 01:46	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	560	5035/8260B	08/03/11 01:46	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	156-59-2	
Chloroform	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	560	5035/8260B	08/03/11 01:46	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	560	5035/8260B	08/03/11 01:46	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	56-23-5	
Benzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	10061-01-5	
Toluene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	100-41-4	



Analytical Laboratory Report

Revised Report

Lab Sample ID: S49451.15 (continued)

Sample Tag: P2-Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevel 5035/8260 (continued)								
p,m-Xylene	Not detected	ug/kg	100	5035/8260B	08/03/11 01:46	WAT		
o-Xylene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	95-47-6	
Styrene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	98-82-8	
Bromoform	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/03/11 01:46	WAT	120-82-1	



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C.O.C. PAGE # 2 OF 2

63530

REPORT TO CONTACT NAME: Randy Christiansen Arcadis
INVOICE TO CONTACT NAME: RACER Trust (Dave Favaro)
 COMPANY: Arcadis
 ADDRESS: 10559 Citation Dr., Suite 100 Brighton, MI 48116
 PHONE NO.: 810-225-1940 FAX NO.:
 CITY: Brighton STATE: MI ZIP CODE: 48116
 PHONE NO.: P.O. NO.:
 ADDRESS: FAX NO.:
 CITY: STATE: ZIP CODE:
 PHONE NO.: P.O. NO.:

PROJECT NO. NAME: 800604479.2011
 TURNAROUND TIME REQUIRED: 24 HR 48 HR 72 HR STANDARD OTHER
 DELIVERABLES REQUIRED: STANDARD LEVEL II LEVEL III OTHER EDD

MERCIT LAB NO.	YEAR	DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	# Containers & Preservatives				SPECIAL INSTRUCTIONS/NOTES
					GC	MS	HSO	MOB	
13	7/22/11	1335		PA-MW-2(38-43)072211	✓	✓	✓	✓	TCL VOCs TCL dioxane TCL SVOCs TAL Metals Boros RBS Cyanide Cr 6 Hald
14	7/22/11	1345		PA-MW-2(31-32)072211	✓	✓	✓	✓	
15	7/27/11	1355		PA-Duplicate	✓	✓	✓	✓	

RELINQUISHED BY: [Signature] Arcadis DATE: 7/22/11 TIME: []
 RECEIVED BY: [Signature] Arcadis DATE: 7/22/11 TIME: 1550
 SEAL NO.: [] SEAL INTACT: YES NO INITIALS: []
 SEAL NO.: [] SEAL INTACT: YES NO INITIALS: []
 NOTES: TEMP. ON ARRIVAL: 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE