

Site Investigation Report/
Targeted Brownfields Assessment
Former Woonsocket Color & Chemical Co.

176 Sunnyside Avenue
Woonsocket, Rhode Island

Rhode Island Department of Environmental
Management

June 2014



FUSS & O'NEILL

317 Iron Horse Way
Suite 204
Providence, RI 02908



FUSS & O'NEILL

June 13, 2014

Ms. Cynthia Gianfrancesco
Principal Environmental Scientist
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

RE: Site Investigation Report/Targeted Brownfields Assessment
Former Woonsocket Color & Chemical Co.
City of Woonsocket Tax Assessor's Plat 3, Lot 7
176 Sunnyside Avenue
Woonsocket, Rhode Island

Dear Ms. Gianfrancesco:

The purpose of this letter is to provide you with the attached Site Investigation Report/Targeted Brownfields Assessment for the above-referenced property. Fuss & O'Neill, Inc. (Fuss & O'Neill) prepared this report on behalf of the Rhode Island Department of Environmental Management (RIDEM), pursuant to your request. Please contact the undersigned if you have any questions or require additional information regarding this report, or the project in general.

Sincerely,

DRAFT

DRAFT

Daniel C. LaFrance, PE
Environmental Engineer

Patrick J. Dowling, CPG
Senior Project Manager

317 Iron Horse Way
Suite 204
Providence, RI
02908
t 401.861.3070
800.286.2469
f 401.861.3076

Attachments: Site Investigation Report Checklist
Site Investigation Report/Targeted Brownfields Assessment

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

F:\P2009\1532\A40\Deliverables\SIR\dcl-SIR-Fmr-Color-Chem-20140120.docx
Corres. (RI)

APPENDIX "T"

**Section 7 of the "Remediation Regulations"
Site Investigation Report (SIR) Checklist**

(The following information shall be completed and submitted with the SIR)

Contact Name: Ms. Lisa Baldelli Hunt, Mayor
Contact Address: 169 Main Street, Woonsocket, Rhode Island
Contact Telephone: 401-767-9203

Site Name: Former Woonsocket Color and Chemical Site
Site Address: 167 Sunnyside Avenue - AP 3, Lot 7

OFFICE USE ONLY

SITE INVESTIGATION REPORT (SIR) SITE:
PROJECT CODE:
SIR SUBMITTAL DATE:
CHECKLIST SUBMITTAL DATE:

DIRECTIONS: *The box to the left of each item listed below is for the administrative review of the SIR submission and is for **RIDEM USE ONLY**. Under each item listed below, cross-reference the specific sections and pages in the SIR that provide detailed information that addresses each stated requirement. Failure to include cross-references shall delay review and approval. If an item is not applicable, simply state that it is not applicable and provide an explanation in the SIR.*

7.03.A. List specific objectives of the SIR related to characterization of the Release, impacts of the Release and remedy.

Objectives are included in Section 1.1.

7.03.B. Include information reported in the Notification of Release. A copy of the Release notification form should be included in the SIR. Include information relating to short-term response, if applicable.

7.03.C. Include documentation of any past incidents, releases, or investigations.

Past investigations are summarized in Section 2.7.

7.03.D. Include list of prior property Owners and Operators including past uses of the property, sequencing of property transfers and time periods of occupancy. Include supporting documentation.

- Historical Sanborn Maps
- Historical Aerial Photos

Site history is summarized in Sections 2.1 and 2.7.

7.03.E. Include previously existing environmental information which characterizes the Contaminated-Site and all information that led to the discovery of the Contaminated-Site.

Past investigations are summarized in Section 2.7.

- 7.03.F. Include current uses and zoning of the Contaminated-Site, including brief statements of operations, processes employed, waste generated, Hazardous Materials handled, and any residential activities on the site, if applicable. (This section should be linked to the specific objectives section demonstrating how the compounds of concern in the investigation are those that are used or may have been used on the site or are those that may have impacted the site from an off-site source.)

Site setting information, including potential receptors, is included in Sections 2.1 to 2.6.

- 7.03.G. Include a locus map showing the location of the site using US Geological Survey 7.5-min. quadrangle map or a copy of a section of that USGS map.

Refer to Figure 1 for a site location map.

- 7.03.H. Include a site plan, to scale, showing:

- Buildings
- Activities
- Structures
- North Arrow
- Drinking Water Wells
- Monitoring Wells
- UIC Systems, septic tanks, USTs (former and current), piping and other underground structures
- Groundwater Flow Direction
- Outdoor Hazardous Materials storage and handling areas
- Extent of paved areas
- Location of environmental samples taken with analytical results, including soil borings, test pits, and groundwater monitoring wells, highlighting any exceedences with the corresponding sample depth and medium listed.
- Waste management and disposal areas
- Lot Lines
- Property Lines

Refer to Figure 2 for a site plan depicting pertinent features.

- 7.03.I. Include a general characterization of the property surrounding the area including, but not limited to:

- Location and distance to any surface water bodies within 500 ft. of the site.
- Location and distance to any Environmentally Sensitive Areas within 500 ft. of the site.
- Actual sources of potable water for all properties immediately abutting the site.
- Location and distance to all public water supplies, which have been active within the previous 2 years and within one mile of the site.
- Determination as to whether the Release impacts any off-site area utilized for residential or Industrial/commercial property or both.
- Determination of the underlying groundwater classification and, if the classification is GB, the distance to the nearest GA area.

Site setting information is included in Sections 2.1 to 2.6.

7.03.J. Include classifications of surface and ground water at and surrounding the site that could be impacted by a Release.

Groundwater and surface water conditions are included in Sections 2.3 and 2.4.

7.03.K. Include a description of the contamination from the Release, including:

- Free liquids on the surface.
- LNAPL and DNAPL.
- Concentrations of Hazardous Substances which can be shown to present an actual or potential threat to human health and any concentrations in excess of any of the remedial objectives; (reference Section 12 for requirements related to arsenic in soil).
- Impact to Environmentally Sensitive Areas.
- Contamination of man-made structures.
- Odors or stained soil.
- Stressed vegetation.
- Presence of excavated or stockpiled material and an estimate of its total volume.
- Environmental sampling locations, procedures and copies of the results of any analytical testing at the site.
- List of Hazardous Substances at the site.
- Indicate if the site has previously been or is currently under the jurisdiction or any program within the Department of Environmental Protection Agency.
- Discuss if the contamination falls outside of the jurisdiction of the Remediation Regulations, including but not limited to USTs, UICs, and wetlands.

A description of the contamination from the release is described in Section 4.0, Section 6.0, and Section 7.0.

7.03.L. Include the concentration gradients of Hazardous Substances throughout the site for each medium impacted by the Release.

Refer to Figures 4 and 5, as well as Tables 6 and 8, and Section 6.

7.03.M. Include the methodology and results of any investigation conducted to determine background concentrations of Hazardous Substances identified at the Contaminated-Site (see Section 12 for Special Requirements for Managing Arsenic in Soil).

No background studies were conducted for this investigation.

7.03.N. Include a listing and evaluation of the site specific hydrogeological properties which could influence the migration of Hazardous Substances throughout and away from the site, including but not limited to, where appropriate:

- Depth to groundwater and elevation of groundwater above mean sea level.
Section 2.3, Section 4.4.1, Table 7 and Figure 3.
- Presence and effects of both the natural and man-made barriers to and conduits for contaminant migration.
A sandy fill horizon was generally identified in the top five feet of the subsurface over the entirety of the site. No specific conduits for contaminant migration were identified. The

local hydraulic gradients appeared to be influenced by bedrock elevations based on a groundwater flow direction which did not appear to follow local topography.

- Characterization of bedrock and depth of bedrock below ground surfaces, if available. *Bedrock is characterized in Section 2.2.*
- Groundwater contours, flow rates and gradients throughout the site, and location of groundwater monitoring wells depicted on a site figure drawn to scale. (a minimum of three (3) groundwater wells is required). *Groundwater flow is described in Sections 2.3 and 4.4.1 and depicted on Figure 3.*

7.03.O. Include a characterization of the topography, surface water and run-off flow patterns, including the flooding potential, of the site.
Topography, surface waters, and flooding potential are included in Section 2.0.

7.03.P. Include the potential for Hazardous Substances from the site to volatilize and any and all potential impacts of the volatilization to structures within the site. Indoor air and/or soil gas analysis is required if appropriate.
Refer to Sections 2.7 and 4.4 regarding the presence of hazardous substances in groundwater, and Sections 6.2, and 7.0 for an evaluation of volatilization risks.

7.03.Q. Include the potential for entrainment of Hazardous Substances from the site by wind or erosion actions.
Refer to Section 8.

7.03.R. Include detailed protocols for all fate and transport models used in the Site Investigation.
No fate and transport models were used in this Site Investigation.

7.03.S. Include a complete list of all samples taken, the location of all samples, parameters tested for and analytical methods used during the Site Investigation. **Be sure to include the sample locations and analytical results on a site figure** as required in Rule 7.03.H. Please note that a representative number of soil samples taken should be analyzed for Priority Pollutant Metal, Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Total Petroleum Hydrocarbons (TPH), and Polychlorinated Biphenyls (PCBs). All analytical results shall be summarized in a tabular format. Include justification for all sample locations, depths, and parameters analyzed.
Samples, locations, collection and testing methods are described in Section 3. Results are summarized in Tables 6 and 8.

7.03.T. Include construction plans and development procedures for all monitoring wells. Well construction shall be consistent with the requirements of Appendix 1 of the Groundwater Quality Rules. Include boring logs for monitoring wells and soil borings in an appendix of the SIR. *Construction and development procedures are summarized in Section 3.2.3 and 3.3.2. Well construction logs are included in Appendix C. The wells were installed in accordance with the Groundwater Quality Rules.*

7.03.U. Include procedures for the handling, storage and disposal of waters derived from and during the investigation.
Investigation-derived soil and wastewater was returned to the point of generation.

- 7.03.V. Include a quality assurance and quality control evaluation summary report for sampling handling and analytical procedures, including, but not limited to, chain-of-custody procedures and sample preservation techniques.
Refer to Section 5 for a review of quality assurance and quality control evaluations.
- 7.03.W. Include any other site-specific factor, that the Director believes, is necessary to make an accurate decision as to the appropriate Remedial Action to be taken at the site.
No additional information has been requested at this time.
- 7.04 Include Remedial Alternatives. The Site Investigation Report **shall** contain a minimum of **2** remedial alternatives other than no action/natural attenuation alternative, unless the requirement is waived by the Department. It should be clear which of these alternatives is most preferable. All alternatives shall be supported by relevant data contained in the Site Investigation Report and consistent with the current and reasonably foreseeable land usage, and documentation of the following:
- Compliance with Section 8 (RISK MANAGEMENT)
 - Technical feasibility of the preferred remedial alternative;
 - Compliance with Federal, State and local laws or other public concerns; and
 - The ability of the Performing Party to perform the preferred remedial alternative.
- Refer to Section 8 for an evaluation of remedial alternatives which addresses these items.*
- 7.05 **Certification Requirements:** The Site Investigation Report and all associated progress reports shall include the following statements signed by an authorized representative of the party specified:
- A statement signed by an authorized representative of the Person who prepared the Site Investigation Report certifying the completeness and accuracy of the information contained in that report to the best of their knowledge; and
- A statement signed by the Performing Party responsible for the submittal of the Site Investigation Report certifying that the report is a complete and accurate representation of the site and the Release and contains all known facts surrounding the Release to the best of their knowledge.
- Refer to Section 9 for the relevant certifications.*
- 7.06 **Progress Reports:** If the Site Investigation is not complete, include a schedule for the submission of periodic progress reports on the status of the investigation and interim reports on any milestones achieved in the project.
The site investigation is complete.
- 7.07 **Public Involvement and Notice:** Be prepared to implement public notice requirements per Section 7.07 and 7.09 of the Remediation Regulations when the Department deems the Site Investigation Report to be complete.
- Indicate if the site falls within an Environmental Justice (EJ) area and, if applicable, include all EJ public notice documentation issued, and the list of recipients.
- Fuss & O'Neill is prepared to conduct public notice with RIDEM concurrence. The site is located within an EJ area. A summary of EJ-related public involvement activities conducted to date is included in Section 3.1. Copies of EJ-related mailings prepared to date are included in Appendix A.*

Table of Contents

Site Investigation Report/Targeted Brownfields Assessment Former Woonsocket Color & Chemical Co.

| | | |
|----------|--|-----------|
| 1 | Introduction..... | 1 |
| 1.1 | Objectives..... | 1 |
| 1.2 | Assessment Planning and Regulatory Approvals..... | 1 |
| 2 | Background | 1 |
| 2.1 | Site Description and History..... | 1 |
| 2.2 | Geographic and Physiographic Setting..... | 2 |
| 2.3 | Groundwater..... | 2 |
| 2.4 | Surface Water..... | 3 |
| 2.5 | Location of Public Water Supply Sources | 3 |
| 2.6 | Potential Receptors | 3 |
| 2.7 | Previous Environmental Investigations..... | 3 |
| 2.7.1 | September 2003 LFR Phase I ESA..... | 3 |
| 2.7.2 | November 2003 LFR Subsurface Investigation..... | 4 |
| 2.7.3 | March 2004 LFR Subsurface Investigation | 4 |
| 2.7.4 | June 2005 AEG Site Investigation Report..... | 5 |
| 2.7.5 | February 2011 Fuss & O'Neill Phase I ESA..... | 5 |
| 2.8 | Contaminants of Concern | 6 |
| 3 | Site Investigation | 7 |
| 3.1 | Public Notice and Environmental Justice Activities..... | 7 |
| 3.2 | Preliminary Site Investigation Field Activities: June/July 2011 | 7 |
| 3.2.1 | Ground Penetrating Radar (GPR) Survey | 8 |
| 3.2.2 | Soil Borings and Soil Sampling..... | 8 |
| 3.2.3 | Monitoring Well Installation and Development..... | 10 |
| 3.2.4 | Groundwater Sampling..... | 10 |
| 3.3 | Supplemental Site Investigation Field Activities: April/May 2013 | 11 |
| 3.3.1 | Soil Borings and Soil Sampling..... | 11 |
| 3.3.2 | Monitoring Well Installation and Development..... | 13 |
| 3.3.3 | Groundwater Sampling..... | 13 |
| 3.4 | Summary of Quality Control Samples..... | 14 |
| 4 | Investigation Results | 15 |
| 4.1 | GPR Survey..... | 15 |
| 4.2 | Soil Characterization and Field Screening Results | 15 |
| 4.3 | Laboratory Analytical Results | 16 |
| 4.4 | Groundwater Characterization and Analytical Results | 17 |

Table of Contents

Site Investigation Report/Targeted Brownfields Assessment Former Woonsocket Color & Chemical Co.

| | | |
|-------|--|-----------|
| 4.4.1 | Groundwater Elevation and Flow Direction | 17 |
| 4.4.2 | Analytical Results – July 2011 | 17 |
| 4.4.3 | Analytical Results – May 2013 | 18 |
| 5 | Data Verification and Usability | 18 |
| 5.1 | Data Verification and Usability | 18 |
| 5.2 | Laboratory Reporting Limits and Regulatory Criteria | 20 |
| 6 | Data Analysis and Risk Characterization | 20 |
| 6.1 | Soil Data Analysis | 20 |
| 6.2 | Groundwater | 22 |
| 7 | Conceptual Site Model and Conclusions | 23 |
| 8 | Remedial Alternatives Evaluation | 24 |
| 8.1 | Point-Source Alternative #1 - Monitored Natural Attenuation | 26 |
| 8.2 | Point-Source Alternative #2: Excavation and Disposal of Soil | 26 |
| 8.3 | Point Source Alternative #3: In-Situ Chemical Oxidation | 27 |
| 8.4 | Point Source Alternative #4: Phytoremediation | 28 |
| 8.5 | Point Source Alternative #5: Aerobic Bioremediation | 29 |
| 8.6 | Non-Point-Source Alternative #1: Excavation and Disposal of Soil | 31 |
| 8.7 | Non-Point Source Alternative #2: Soil Capping and ELUR | 32 |
| 8.8 | Preferred Remedial Alternative | 33 |
| 9 | Certifications | 35 |
| 10 | References | 36 |
| 11 | Limitations of Work Product | 37 |

Table of Contents

Site Investigation Report/Targeted Brownfields Assessment Former Woonsocket Color & Chemical Co.

| Tables | | Page |
|-----------------------|---|--------------------------|
| 1 | Summary of Soil Samples Collected from Soil Borings – June 2011 | 9 |
| 2 | Summary of Groundwater Sampling Activities – July 2011 | 11 |
| 3 | Summary of Soil Samples Collected from Soil Borings – April 2013 | 12 |
| 4 | Summary of Groundwater Sampling Activities – May 2013 | 14 |
| 5 | Summary of Quality Control Samples | 15 |
| 6 | Summary of Soil Analytical Data and Objectives | End of Report |
| 7 | Summary of Groundwater Elevations | End of Report |
| 8 | Summary of Groundwater Analytical Data and Objectives | End of Report |
| 9 | Summary of Soil Samples with Applicable Regulatory Exceedances | 21 |
| 10 | Summary of Groundwater Samples with Applicable Regulatory Exceedances | 23 |
| Figures | | End of Report |
| 1 | Site Location Map | |
| 2 | Site Plan | |
| 3 | Groundwater Contour Map | |
| 4 | TPH and BTEX in Soil – June 2011 and April 2013 | |
| 5 | Total BTEX in Groundwater – May 2013 | |
| Appendices | | End of Report |
| A | Public Notice Documentation | |
| B | GPR Results Memorandum | |
| C | Soil Boring Logs and Monitoring Well Completion Reports | |
| D | Laboratory Analytical Reports and Quality Control Certifications | |

1 Introduction

1.1 Objectives

The Rhode Island Department of Environmental Management (RIDEM) retained Fuss & O'Neill, Inc. (Fuss & O'Neill) to conduct a Site Investigation (SI) and Targeted Brownfields Assessment (TBA) at the former Woonsocket Color & Chemical Co. property (the "subject site" or "site") on Sunnyside Avenue in the City of Woonsocket, Rhode Island (Providence County). The overall objective of the SI/TBA documented herein was to compile environmental information regarding the site through research, inspections, and field work. An additional goal of the SI/TBA was to determine the absence or presence of contaminants in environmental media at the subject site and to prepare a *Site Investigation Report (SIR)* to fulfill requirements of Section 7.0 of the RIDEM *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations)*, to the extent practicable.

1.2 Assessment Planning and Regulatory Approvals

In February 2011, Fuss & O'Neill submitted a *Phase I Environmental Site Assessment Report (Phase I ESA)* regarding the site to RIDEM and the City of Woonsocket. In April 2011, Fuss & O'Neill prepared a site-specific *Quality Assurance Project Plan (QAPP) Addendum* detailing a proposed SI/TBA for the subject site, intended to evaluate the recognized environmental conditions (RECs) identified in the *Phase I ESA*. The *QAPP Addendum* (Revision 0.0) was submitted to RIDEM and the United States Environmental Protection Agency (USEPA) Region 1 on April 21, 2011. Following USEPA quality assurance review, Fuss & O'Neill submitted a *QAPP Addendum* (Revision 1.0) to RIDEM and USEPA Region 1 on May 13, 2011. Approval of the *QAPP Addendum* (Revision 1.0) was granted by USEPA on May 18, 2011, and by RIDEM on May 19, 2011.

Fuss & O'Neill submitted a modification to the *QAPP Addendum* (the "*QAPP Modification*") to RIDEM and USEPA on February 19, 2013. Approval of the *QAPP Modification* was granted by USEPA on March 5, 2013, and by RIDEM on March 7, 2013.

The *QAPP Addendum* and *QAPP Modification*, developed in accordance with the USEPA Brownfields Quality Assurance Project Plan Guidance Document, detailed the field and analytical scope and quality control procedures for the SIR/TBA.

2 Background

2.1 Site Description and History

The site, the former Woonsocket Color & Chemical Co., is located on the southeast side of Sunnyside Avenue in a R2 Low Density Single Family Residential zone of Woonsocket, Rhode Island (Providence County). According to the City of Woonsocket (the City) Tax Assessor's records, the subject site is identified as Tax Assessor's Map 3, Lot 7, and was located at 176 Sunnyside Avenue. A map consisting

of portions of several United States Geological Survey (USGS) topographic maps showing the site location is included as *Figure 1*, and a site plan is included as *Figure 2*.

According to City records, the site is a 1.48-acre irregular-shaped parcel owned by CKG Development Co., LLC (CKG). The site is currently considered tax delinquent and abandoned, and the City holds a tax lien the property. With the exception of a rail spur on the southwestern corner of the property, no improvements are currently located at the site.

The site and abutting properties were historically used for industrial purposes. From the 1940s to the 1970s, the site was occupied by Woonsocket Color & Chemical Co., a paint and chemical manufacturing company. The site was unoccupied through the 1980s and buildings at the site were destroyed by a fire in 1989. The site is currently vacant and the City is seeking interested parties to develop the site, potentially for residential purposes.

2.2 Geographic and Physiographic Setting

The topography of the site is generally flat. The local topography generally slopes steeply down from the southern side of the site to the southeast, toward Cherry Brook. The regional topography slopes downward to the northeast, toward the Blackstone River (USGS, 1987).

Surficial material at the site is mapped as Merrimac Urban Land Complex, which is described as well drained sandy loam and soil covered by streets, parking lots, buildings, and other urban structures (RIGIS, 2008). Subsurface soil encountered during the field study performed for this assessment consisted of sandy fill material with varying amounts of silt, clay, gravel, and cobbles, underlain by grey silty sands. Fill materials consisted of brick, wood and concrete, with traces of coal and coal ash.

Bedrock beneath the site is mapped as metasedimentary rocks of the Esmond-Dedham Subterranean (Hermes, et al, 1994). Depth to bedrock was not documented in files reviewed as part of this investigation. During soil borings activities conducted during the SI/TBA documented herein, refusal was encountered at depths between 20 and 34 feet below grade at several locations. However, the cause of refusal was not confirmed as competent bedrock.

2.3 Groundwater

The groundwater beneath the site was classified by the RIDEM as GB (RIDEM, 2010b). GB groundwater is designated to be not suitable for public or private drinking water use. GB groundwater areas are typically located beneath highly urbanized areas, permanent waste disposal areas, and the area immediately surrounding the permanent waste disposal areas (RIDEM, 2010a). The nearest GA groundwater area (where groundwater was designated to be suitable for potable use) was located approximately one half mile to the southwest of the site.

Depth to groundwater ranged from approximately 7.5 to 31 feet below grade across the site. Based on groundwater measurements collected at the site by Fuss & O'Neill during the SI/TBA, the groundwater flow direction beneath the site was observed to be to the northeast, toward the Blackstone River.

Because the local topography slopes downward to the east / southeast toward Cherry Brook, the groundwater flow direction is inferred to be locally influenced by geologic conditions.

2.4 Surface Water

The nearest surface water body, Cherry Brook, is located approximately 500 feet southeast of the site (USGS, 1987). Cherry Brook was classified by RIDEM as Class B surface water (RIDEM, 2010c).

Class B waters are designated for fish and wildlife habitat and primary and secondary contact recreational activities. They should be suitable for compatible industrial processes and cooling, hydropower, aquacultural uses, navigation, and irrigation and other agricultural uses. These waters should have good aesthetic value (RIDEM, 2010c).

2.5 Location of Public Water Supply Sources

The Groundwater Classification & Wellhead Protection Area Maps of the Blackstone and Georgiaville quadrangles, available from RIDEM, showed no public water supply wells or wellhead protection areas (WHPAs) within a one-half mile radius of the site. The nearest GA groundwater area (where groundwater is protected as a potable water supply) was located approximately one half-mile west of the site.

2.6 Potential Receptors

Nearby residential properties which abut the site to the north, west and south are considered potential receptors of contamination present at the site. The activities conducted by individuals working at, visiting, or trespassing at the site should be evaluated under current and foreseeable uses to determine whether compounds present in the subsurface pose a risk to those individuals.

2.7 Previous Environmental Investigations

Numerous environmental investigations were previously conducted at the subject site on behalf of the former property owner, CKG, between 2003 and 2005. As a result of the findings of previous investigations, the subject site has been regulated under the RIDEM *Remediation Regulations* since 2003. Fuss & O'Neill reviewed available RIDEM files to support the *Phase I ESA* of the site completed in February 2011 on behalf of RIDEM. A summary of the environmental history of the subject site is included below.

2.7.1 September 2003 LFR Phase I ESA

In September 2003, LFR completed a *Phase I ESA* on behalf of Macktaz, Keefer, and Kirby, a law firm representing CKG. The *Phase I ESA* identified the following RECs associated with the site:

- Historical industrial site use as Woonsocket Color & Chemical Co.
- Potential presence of an oil company on the subject site from the mid-1920s to the late 1930's.
- An abutting property to the northeast, 92 Sunnyside Avenue, which was identified under the Emergency Response Notification System (ERNS) and which reportedly had underground storage tanks (USTs) that were over 50 years old and not in compliance with RIDEM regulations

2.7.2 November 2003 LFR Subsurface Investigation

On behalf of Macktaz, Keefer, and Kirby, LFR completed a *Subsurface Investigation* at the subject site in November 2003. The *Subsurface Investigation* included the advancement of four soil borings, designated MW-1 through MW-4, all of which were completed as groundwater monitoring wells; the collection of four soil samples for laboratory analysis; and the collection of four groundwater samples for laboratory analysis. Approximate soil boring/monitoring well locations from this investigation are depicted on *Figure 2*.

The soil sample collected from soil boring MW-1 at a depth of zero to four feet below grade reportedly contained concentrations of lead and beryllium that exceeded the RIDEM Residential Direct Exposure Criteria (R-DEC). One groundwater sample collected from monitoring well MW-3 reportedly contained a concentration of ethylbenzene exceeding the RIDEM GB Groundwater Objectives (GB-GO). No other compounds were reported at concentrations exceeding applicable RIDEM criteria in any of the other soil and groundwater samples collected during the November 2003 *Subsurface Investigation*.

Based on the results of this investigation, LFR concluded a release of lead and beryllium to soil and a release of ethylbenzene to groundwater had occurred and that additional assessment was necessary to determine the extent of these compounds in environmental media.

2.7.3 March 2004 LFR Subsurface Investigation

In March 2004, LFR completed an additional *Subsurface Investigation* at the subject site on behalf of Macktaz, Keefer, and Kirby. The *Subsurface Investigation* included the advancement of 13 shallow soil borings (0 to 4 feet below grade) designated B-1 through B-13 and three deeper soil borings (0 to 20 feet below grade) designated MW-5 through MW-7. Each of the three deeper borings was completed as groundwater monitoring wells. A total of 20 soil samples and three groundwater samples were collected for laboratory analysis. Approximate soil boring and monitoring well locations are depicted on *Figure 2*.

Seventeen of the 20 soil samples were analyzed for arsenic, lead, and beryllium only. One of these 17 soil samples, collected from B-13, reportedly contained a concentration of beryllium exceeding the RIDEM R-DEC. Three of the 20 soil samples were analyzed for volatile organic compounds (VOC). One of these three soil samples, collected from MW-6, reportedly contained concentrations of

ethylbenzene and total xylenes exceeding the R-DEC and a concentration of ethylbenzene exceeding the RIDEM GB Leachability Criteria (GB-LC).

The three groundwater samples were analyzed for VOC. One groundwater sample collected from MW-6 reportedly contained concentrations of ethylbenzene and toluene exceeding the GB-GO. LFR recommended that a *Release Notification Form* documenting these results be submitted to RIDEM and that a SI be completed for the site.

2.7.4 June 2005 AEG Site Investigation Report

On behalf of CKG, AEG completed a *Site Investigation Report* (SIR) for the subject site in June 2005. AEG completed a survey of groundwater elevations in existing wells and observed excavation of ten test pits, in the central portion of the subject site. Soil samples collected from test pits were screened for vapor-phase VOC using a photoionization detector (PID). No soil samples were submitted for laboratory analysis.

Based on the results of the LFR *Subsurface Investigations* and the PID soil screening, AEG concluded that releases of beryllium, lead, ethylbenzene, and total xylenes to soil and releases of ethylbenzene and toluene to groundwater had occurred at the site. AEG concluded that the release source was located in the vicinity of monitoring well MW-6, which is depicted on *Figure 2*. AEG recommended a combination of source removal, groundwater monitoring, construction of a soil cap, and implementation of an Environmental Land Use Restriction (ELUR) as a remedial approach for the site. No indication that these remedial actions have been taken was identified in the RIDEM files.

2.7.5 February 2011 Fuss & O'Neill Phase I ESA

In February 2011, Fuss & O'Neill performed a *Phase I ESA* of the site on behalf of RIDEM. The following RECs were documented in the *Phase I ESA*:

- REC No. 1: Historical Site Use – The subject site was occupied by the Woonsocket Color & Chemical Company from the 1940s through the 1970s. In addition, a City Fire Department report documenting the 1989 fire which destroyed the buildings at the subject site indicated that chemicals, including ethanol amines, methanol, acids, and sodium hydroxide were present on site after the Woonsocket Color & Chemical Company closed in the 1970s. The *Phase I ESA* concluded that the past use, storage, and abandonment of hazardous chemicals may have adversely impacted the environmental quality of the subject site.
- REC No. 2: Historical Use of Adjacent Properties –An adjacent property, located at 92 Sunnyside Avenue to the northeast of the site was historically utilized for multiple industrial activities, including a hide and tallow operation (PJ O'Donnell & Sons; c. 1900-1980), operations of the Woonsocket Color & Chemical Co. (c. 1930-1950), and Nitro-Form Agricultural Chemical Co. (c. 1950-1960s) operations. Additionally, two oil companies reportedly operated on Sunnyside Avenue between the 1930s and 1970s, though the exact

locations of these companies were not confirmed. Environmental database search results and City records for 92 Sunnyside Avenue documented releases of acetone and "hydro acid," illegal drum storage, and a fire-related chemical release in 1998, along with underground storage tank (UST) violations. Releases associated with 92 Sunnyside Avenue and additional adjacent properties were identified as having the potential to have affected the environmental quality of the subject site.

- REC No. 3: Documented Environmental Conditions – The past investigations described above documented the presence of beryllium, lead, ethylbenzene, and total xylenes in site soil at concentrations exceeding the RIDEM R-DEC, and the presence of ethylbenzene and toluene in site groundwater at concentrations exceeding the RIDEM GB-GO. No documentation of remedial actions taken to correct these conditions was observed by Fuss & O'Neill. Further assessment was recommended to determine the extent of the soil and groundwater conditions and facilitate an evaluation of remedial alternatives.
- REC No 4: Debris – During a site inspection in 2011, Fuss & O'Neill observed debris, including old appliances, tires, filled trash bags, scrap metal pieces, and furniture, scattered throughout the site. This debris was inferred to be the result of illegal trespassing and dumping.
- REC No. 5: On-site and Abutting Railroad – An abandoned rail spur was located on the southern portion of the subject site and the subject site was abutted to the southeast by a rail line operated by the Providence and Worcester Railroad (P&WRR). Historical releases associated with railroad operations were identified as having the potential to have impacted the environmental quality of the subject site.

2.8 Contaminants of Concern

Based upon the known historical and current uses of the site, the following potential contaminants of concern at the subject property and the associated laboratory analytical methods were identified in the RIDEM and USEPA-approved *QAPP Addendum* and *QAPP Modification*:

Soil

- VOC via USEPA Method 8260, including preservation by Method 5035
- Semi-volatile organic compounds (SVOC) via USEPA Method 8270
- 16 Metals – antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, manganese, mercury, nickel, selenium, silver, thallium, vanadium, and zinc via USEPA Methods 6010/7471
- Total petroleum hydrocarbons (TPH) via USEPA Method 8100
- Polychlorinated biphenyls (PCBs) via USEPA Method 8082

Groundwater:

- VOC via USEPA Method 8260
- SVOC via USEPA Method 8270
- 16 Metals via USEPA Methods 6010/7470

3 Site Investigation

3.1 Public Notice and Environmental Justice Activities

According to RIDEM Environmental Resource mapping, the subject site was located within an Environmental Justice Focus Area. Therefore, additional public notice and outreach activities beyond those required by *Section 7.07 (A)* of the RIDEM *Remediation Regulations* were conducted. RIDEM published public outreach requirements, consistent with the activities conducted by Fuss & O'Neill, in *Section 7.07 (B)* of the November 2011 revision of the *Remediation Regulations*, following completion of the public notice activities described below.

In accordance with RIDEM's *Policy for Considering Environmental Justice in the Review of Investigation and Remediation of Contaminated Properties* and *Section 7.07(A)* of the *Remediation Regulations*, Fuss and O'Neill mailed a public notice letter, a site-specific fact sheet, two fact sheets regarding RIDEM and the Office of Waste Management State Site Remediation and Brownfields Program, and a booklet entitled "*Brownfields: Turning Bad Spaces into Good Ones*" to abutting property owners and tenants, project stakeholders, and local and state officials on June 14, 2011. Spanish translations of these documents were also provided. In lieu of contacting each individual tenant in the apartment complex located west of the site, Fuss & O'Neill provided the owner of the complex, the Woonsocket Housing Authority, with the environmental justice materials along with a request to distribute them to the tenants. A copy of this request is included in *Appendix A*.

On July 1, 2011, Fuss & O'Neill posted the site-specific fact sheet and booklets in the Woonsocket Harris Public Library, City Hall, and convenience stores located near the site.

A sign was also posted at the site, with text in both English and Spanish, informing the public that an environmental assessment was in progress. Contact information was also listed on this sign.

Environmental justice materials were submitted to RIDEM prior to distribution, and a copy of the public notice distribution list, the public notice letter, and the site-specific fact sheet are also included herein in *Appendix A*. No substantial public comments related to the environmental quality of the subject site were received as part of the public notice and participation process.

3.2 Preliminary Site Investigation Field Activities: June/July 2011

The SI/TBA scope of work and *QAPP Addendum* were developed to further investigate the RECs identified in the February 2011 *Phase I ESA* and summarized above in *Section 2.7.5*. Fuss & O'Neill conducted field activities at the site in June and July 2011 in accordance with the RIDEM and USEPA-approved *QAPP Addendum*.

3.2.1 Ground Penetrating Radar (GPR) Survey

On June 22 and June 23, 2011, Fuss & O'Neill conducted a ground-penetrating radar (GPR) survey at the site to investigate the potential presence of USTs or other subsurface structures. The survey utilized a calibrated Geophysical Survey System, Inc. SIR-2000 with a 400 Megahertz (MHZ) antenna. The survey area included cleared areas adjacent Sunnyside Avenue in the vicinity of the former site building. A memorandum documenting the extent and results of the GPR survey is attached as *Appendix B*.

3.2.2 Soil Borings and Soil Sampling

Fuss & O'Neill conducted a soil boring program at the subject property on June 23 and June 24, 2011. Fourteen soil borings, designated MW-201, SB-202, MW-203, SB-204, SB-205, MW-206 through MW-210, SB-211, SB-212, MW-213 and MW-214, were advanced throughout the subject site utilizing a direct-push drilling rig operated by Fuss & O'Neill personnel. The approximate boring locations are depicted on *Figure 2*.

Soil borings were advanced to depths ranging from 15 to 34 feet below grade (fbg). Refusal was encountered in borings MW-204 (19.5 fbg), MW-209 (27 fbg), MW-213 (34 fbg), and MW-214 (34 fbg). The remaining borings were advanced several feet below the observed water table without encountering refusal. The soil borings were logged continuously and observations of soil recovery, soil color, texture, strata changes, anthropogenic fill materials (ash, brick, coal, etc.), and evidence of releases of oil or hazardous material (OHM) were documented by a Fuss & O'Neill field geologist. During the soil boring program soil samples collected from throughout the soil column were field-screened for total VOC with a PID. Soil boring logs depicting field observations and PID screening results are attached as *Appendix C*.

Two primary soil samples were collected from each soil boring for laboratory analysis. Two duplicate soil samples were collected from soil borings MW-201 and MW-208 for quality control purposes. Soil samples were submitted to Premier Laboratory of Dayville, CT (Premier) for the suite of analyses specified in *Section 2.9*. A summary of soil sampling activities is included in *Table 1* below:

Table 1
Summary of Soil Samples Collected From Soil Borings – June 2011

| Location | Sample Depth (fbg) | Sample Number | Analyses |
|----------|--------------------|--------------------------|---------------------------------|
| MW-201 | 0-2 | 841110624-24 | VOC, SVOC, 16 Metals, TPH, PCBs |
| | 10-15 | 841110624-25 | |
| | | 841110624-26 (duplicate) | |
| SB-202 | 0-2 | 841110624-27 | |
| | 10-15 | 841110624-28 | |
| MW-203 | 0-3 | 841110624-20 | |
| | 10-15 | 841110624-21 | |
| SB-204 | 0-2 | 841110624-29 | |
| | 15-19.5 | 841110624-30 | |
| SB-205 | 0-2 | 841110624-18 | |
| | 15-17 | 841110624-19 | |
| MW-206 | 0-2 | 841110623-12 | |
| | 10-15 | 841110623-13 | |
| MW-207 | 0-2 | 841110624-16 | |
| | 10-15 | 841110624-17 | |
| MW-208 | 0-2 | 841110623-07 | |
| | 10-15 | 841110623-08 | |
| | | 841110623-09 (duplicate) | |
| MW-209 | 0-2 | 841110623-05 | |
| | 20-25 | 841110623-06 | |
| MW-210 | 0-2 | 841110623-10 | |
| | 10-14 | 841110623-11 | |
| SB-211 | 0-2 | 841110624-31 | |
| | 19-20 | 841110624-32 | |
| SB-212 | 0-2 | 841110624-22 | |
| | 5-10 | 841110624-23 | |
| MW-213 | 0-2 | 841110623-03 | |
| | 30-34 | 841110623-04 | |
| MW-214 | 0-2 | 841110623-01 | |
| | 30-34 | 841110623-02 | |

Notes: MW: monitoring well
SB: soil boring

3.2.3 Monitoring Well Installation and Development

On June 23 and June 24, 2011, Fuss & O'Neill personnel constructed two-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells at nine of the fourteen soil boring locations utilizing direct-push drilling methods. The approximate monitoring well locations are depicted on *Figure 2*.

Monitoring wells were generally installed to depths several feet below the groundwater table via the direct-push boreholes. Monitoring well completion reports are attached as *Appendix C*. The monitoring wells were generally installed with ten feet of two-inch diameter PVC slotted screen that intersected the groundwater table. Monitoring wells MW-201 and MW-207 were constructed with five feet of slotted screen intersecting the water table. All monitoring wells were constructed with a PVC riser, sand filter pack, lower bentonite seal, concrete surface seal, and locking steel standpipe.

Fuss & O'Neill developed each of the monitoring wells on June 27, 2011. Development procedures included purging groundwater from the wells until the purge water was observed to be clear, the well ran dry, or at least three well volumes of groundwater were purged. Development was conducted to remove fine particles from the sand filter pack and improve hydraulic connection between the well and surrounding shallow aquifer.

Fuss & O'Neill surveyed the relative elevations of the newly installed monitoring wells on July 1, 2011. The survey was conducted relative to an assumed vertical datum of 100.00 feet at the top of the steel standpipe of monitoring well MW-203 to evaluate the relative elevation and hydraulic gradient of shallow groundwater beneath the subject site.

3.2.4 Groundwater Sampling

On July 1, 2011, Fuss & O'Neill collected groundwater samples from eleven monitoring wells at the subject site, including the nine wells installed in June 2011, as well as MW-2 and MW-7, installed during previous investigations by LFR. Monitoring well MW-6, also installed during LFR's previous investigations, was located but was found to be damaged and unusable. No additional historical monitoring wells could be found.

Groundwater samples were collected using low-flow methodology and a peristaltic pump, where feasible. Groundwater geochemical parameters, including pH, specific conductivity, temperature, dissolved oxygen (DO) concentration, oxidation-reduction potential (ORP), and turbidity, were continuously monitored at the majority of the wells and allowed to stabilize prior to sample collection. Depth to groundwater in monitoring wells MW-213 and MW-214 was observed to be greater than 30 fbg, which precluded continuous geochemical monitoring and use of a peristaltic pump for low-flow sample collection. Instead, dedicated PVC bailers were utilized to purge and collect groundwater samples from monitoring wells MW-213 and MW-214.

One primary groundwater sample was collected from each of the 11 monitoring wells included in the sampling program and submitted to Premier for analysis of VOC, SVOC, and 16 total metals. A duplicate groundwater sample was collected from monitoring well MW-203 for quality control purposes. A summary of groundwater sampling activities is included in *Table 2* below:

Table 2
Summary of Groundwater Sampling Activities – July 2011

| Location | Screened Interval (fbg) | Sample Number | Analyses |
|----------|---|---------------------------|----------------------------|
| MW-2 | Depth of top of screen unknown; bottom of screen at 17 fbg* | 1080110701-05 | VOC, SVOC, 16 total metals |
| MW-7 | Depth of top of screen unknown; bottom of screen at 17 fbg* | 1080110701-10 | |
| MW-201 | 10-15 | 1080110701-01 | |
| MW-203 | 8-18 | 1080110701-02 | |
| | | 1080110701-03 (duplicate) | |
| MW-206 | 8-18 | 1080110701-04 | |
| MW-207 | 10-15 | 1080110701-06 | |
| MW-208 | 10-20 | 1080110701-09 | |
| MW-209 | 17-27 | 1080110701-11 | |
| MW-210 | 10-20 | 1080110701-07 | |
| MW-213 | 24-34 | 1080110701-08 | |
| MW-214 | 24-34 | 1080110701-12 | |

Notes: MW: monitoring well

*Well completion reports for wells MW-2 and MW-7, previously installed by others, were not available; bottom depths are based on field measurements

3.3 Supplemental Site Investigation Field Activities: April/May 2013

Based on the results of the 2011 field investigation, additional delineation of the extent of site-specific contaminants of concern in the environment was recommended on the adjacent P&WRR property located to the southeast of the subject site. In April and May 2013, Fuss & O'Neill conducted supplemental soil and groundwater investigation activities on the adjacent P&WRR property, as well as supplemental groundwater monitoring at the subject site. The supplemental investigation activities were completed in accordance with the March 2013 *QAPP Modification*.

3.3.1 Soil Borings and Soil Sampling

Fuss & O'Neill conducted a soil boring program on the P&WRR Property on April 26 and April 29, 2013. Fuss & O'Neill advanced 12 soil borings, designated SB-301, SB-312, and MW-302 through MW-311, along both sides of the P&WRR railroad track utilizing a direct-push drilling rig. Approximate soil boring locations are depicted on *Figure 2*.

Soil borings were advanced to depths ranging from 10 to 23 fbg. Refusal was encountered in borings MW-311 (23 fbg) and SB-312 (20 fbg). The remaining borings were advanced to depths several feet below the observed water table without encountering refusal. The soil borings were logged continuously. During the soil boring programs soil samples collected from throughout the soil column were field-screened for total VOC using a PID. Soil boring logs depicting field observations and PID screening results are attached as *Appendix C*.

One or two primary soil samples were collected from each soil boring for laboratory analysis. One duplicate soil sample was collected from soil boring MW-303 for quality control purposes. Soil samples were submitted to Premier for analysis of TPH by USEPA Method 8100 and VOC by USEPA Method 8260. A summary of soil sampling activities is included in *Table 3* below:

Table 3
Summary of Soil Samples Collected From Soil Borings – April 2013

| Location | Sample Depth (fbg) | Sample Number | Analyses |
|----------|--------------------|-----------------------------|----------|
| SB-301 | 0-5 | 841130426-01 | VOC, TPH |
| | 5-10 | 841130426-02 | |
| MW-302 | 6-10 | 841130426-04 | |
| MW-303 | 6-10 | 841130426-06 | |
| | | 841130426-07 (Duplicate) | |
| MW-304 | 1-5 | 841130426-08 | |
| | 13-15 | 841130426-09 | |
| MW-305 | 0-5 | 841130426-10 | |
| | 11-14 | 841130426-12 | |
| MW-306 | 0-5 | 841130426-13 | |
| | 11-13 | 841130426-14 | |
| MW-307 | 5-10 | 841130429-17 | |
| | 12-15 | 841130429-18 | |
| MW-308 | 5-10 | 841130429-19 | |
| | 10-15 | 841130429-20 | |
| MW-309 | 5-10 | 841130429-21 | |
| | 12-15 | 841130429-22 | |
| MW-310 | 12-14 | 841130429-23 | |
| | 15-18 | 841130429-24 | |
| MW-311 | 21-23 | 841130429-25 | |
| SB-312 | 10-15 | 841130429-26 | |
| | 15-20 | 841130429-27 | |

Notes: MW: monitoring well
SB: soil boring

3.3.2 Monitoring Well Installation and Development

On April 26 and April 29, 2013, Fuss & O'Neill personnel constructed two-inch diameter PVC groundwater monitoring wells at ten of the twelve soil boring locations advanced at the P&WRR property utilizing direct-push drilling methods. The approximate monitoring well locations are depicted on *Figure 2*.

Monitoring wells were generally installed to depths several feet below the groundwater table via the direct-push boreholes. Monitoring well completion reports are included in *Appendix C*. The monitoring wells were generally installed with ten feet of two-inch diameter PVC slotted screen that intersected the groundwater table. All monitoring wells were constructed with a PVC riser, sand filter pack, lower bentonite seal, concrete surface seal, and a steel road box mounted flush with surrounding grade.

Fuss & O'Neill developed the monitoring wells on April 29, 2013 and May 1, 2013. Development procedures included purging groundwater from the wells until the purge water was observed to be clear, the well ran dry, or at least three well volumes of groundwater were purged. Development was conducted to remove fine particles from the sand filter pack and improve hydraulic connection between the sand filter pack and surrounding shallow aquifer.

Fuss & O'Neill surveyed the relative elevations of the newly installed monitoring wells at the subject site on May 1, 2013. The survey was conducted relative to the previous assumed vertical datum of 100.00 feet at the top of the steel standpipe of monitoring well MW-203 in order to incorporate these monitoring wells into the previous elevation survey.

3.3.3 Groundwater Sampling

On May 8, 2013 and May 10, 2013, Fuss & O'Neill gauged groundwater elevations and collected groundwater samples from the 10 monitoring wells located on the P&WRR Property and five on-site monitoring wells, including MW-206, MW-207, MW-208, MW-209, and MW-210. The monitoring wells were sampled using the previously-described low-flow methodology and a peristaltic pump.

One primary groundwater sample was collected from each of 15 monitoring wells included in the sampling program and submitted to Premier for analysis of VOC by USEPA Method 8260. A duplicate groundwater sample was collected from monitoring well MW-306 for quality control purposes. A summary of the May 2013 groundwater sampling activities is included in *Table 4* below:

Table 4
Summary of Groundwater Sampling Activities – May 2013

| Location | Screened Interval (fbg) | Sample Number | Analyses |
|----------|-------------------------|-----------------------------|----------|
| MW-206 | 8-18 | 841130510-15 | VOC |
| MW-207 | 10-15 | 841130510-13 | |
| MW-208 | 10-20 | 841130510-16 | |
| MW-209 | 17-27 | 841130510-17 | |
| MW-210 | 10-20 | 841130510-14 | |
| MW-302 | 5-15 | 841130508-02 | |
| MW-303 | 5-15 | 841130508-01 | |
| MW-304 | 10-20 | 841130508-10 | |
| MW-305 | 4-14 | 841130508-08 | |
| MW-306 | 4-14 | 841130508-05 | |
| | | 841130508-06 (Duplicate) | |
| MW-307 | 4-14 | 841130508-03 | |
| MW-308 | 5-15 | 841130508-04 | |
| MW-309 | 4-14 | 841130508-07 | |
| MW-310 | 10-20 | 841130508-09 | |
| MW-311 | 13-23 | 841130508-12 | |

Notes: MW: monitoring well

3.4 Summary of Quality Control Samples

Sixteen quality control samples were collected and analyzed as part of the field activities documented herein and included trip blanks and field duplicate samples. The quality control samples were collected in accordance with the *QAPP Addendum* and *QAPP Modification* prepared for the assessment. A summary of the quality control samples collected during the assessment is included below in *Table 5*. The trip blanks were analyzed for VOC only, while the duplicates were analyzed for the contaminants of concern for that matrix. All field equipment was dedicated, and therefore decontamination and reuse of field equipment was not conducted. Therefore, no equipment or field blanks were collected.

Table 5
Summary of Quality Control Samples

| Duplicate Samples | |
|----------------------------|--------------------------------|
| Sample Media and ID | Sampling Location |
| Soil – 24-26 | MW-201 |
| Soil – 23-09 | MW-208 |
| Groundwater – 01-03 | MW-203 |
| Soil – 26-07 | MW-303 |
| Groundwater – 08-06 | MW-306 |
| Trip Blanks | |
| Sample ID | Associated Investigation |
| 23-14, 23-15, 24-33, 24-34 | June 2011 Soil Sampling |
| 01-13 | July 2011 Groundwater Sampling |
| 26-15, 26-16, 29-28, 29-29 | April 2013 Soil Sampling |
| 08-18, 10-19 | May 2013 Groundwater Sampling |
| Equipment Blanks | |
| None | |
| Field Blanks | |
| None | |

Note: Only the last four digits of the sample ID are listed.

4 Investigation Results

4.1 GPR Survey

A memorandum documenting the results of the GPR survey is attached as *Appendix B*. One subsurface anomaly was identified adjacent and perpendicular to Sunnyside Avenue, and was inferred to be an abandoned utility pipe associated with the former building. No anomalies indicative of potential USTs were identified by the GPR survey.

4.2 Soil Characterization and Field Screening Results

Soil boring logs and monitoring well completion reports are included in *Appendix C*. Soil observed in the soil borings advanced throughout the subject site consisted of sandy fill material with varying amounts of silt, clay, gravel, and cobbles, underlain by grey silty sands. Anthropogenic fill materials, including brick, wood, concrete, coal and coal ash, were observed in soil recovered from borings advanced throughout the site, in the upper five feet of the soil column, except at borings MW-201 and MW-207, where evidence of fill material was observed in the upper nine feet.

Dark grey staining and petroleum odors were observed in soil recovered from depths approximately coincident with the water table in soil borings MW-206, MW-208, and MW-210, along the southeastern

property line of the subject site. Petroleum odors and, to a lesser extent, dark grey staining were also observed in soil recovered from depths approximately coincident with the water table in all of the soil borings advanced on the P&WRR Property.

Soil recovered from the borings was continuously screened for VOC using a PID during boring advancement. VOC were reported at concentrations above the instrument quantization limit of 0.1 parts per million (ppmv) in several borings. Field screening results greater than 50 ppmv total VOC were reported in soil borings MW-206 (up to 850 ppmv), MW-208 (up to 900 ppmv), MW-210 (up to 1,000 ppmv), and SB-212 (up to 100 ppmv), advanced on-site along the edge of the P&WRR property, and in all borings advanced on the P&WRR Property except SB-312. The highest VOC concentrations were observed in soil exhibiting staining and petroleum odors.

Of the shallow soil recovered from the 0-5 fbg depth interval from borings advanced on both the site and the P&WRR Property, only shallow soil recovered from boring MW-304 exhibited field evidence of contamination, consisting of PID readings as high as 105 ppmv, but no visual or olfactory evidence of contamination. A sample of this soil submitted for laboratory analysis was reported to contain 1,700 milligrams per kilogram (mg/kg) of 1,2,4-trichlorobenzene (a colorless, generally odorless liquid).

4.3 Laboratory Analytical Results

Forty-nine primary soil samples, plus the three duplicates, were collected from 26 soil borings and analyzed by Premier for the contaminants of concern identified in *Tables 1 and 3*. Analytical results of these samples are summarized in *Table 6*. The complete Premier analytical data reports are attached in *Appendix D*.

As summarized in *Table 6*, one or more VOC were detected at concentrations above the laboratory reporting limits in 13 of the 30 soil samples collected from soil borings at the subject site, and in 20 of the 22 soil samples collected from soil borings on the P&WRR Property. As noted on *Table 6*, 22 VOC were each reported at concentrations exceeding the laboratory reporting limits in soil samples collected during the SI/TBA.

Generally, the VOC detected at the greatest concentrations in soil sampled at the subject site and P&WRR property were ethylbenzene and xylenes. Due to structural similarities and common sources, these compounds are typically grouped with benzene and toluene as "BTEX" compounds. "Total BTEX" concentrations, consisting of the sum of the quantified concentrations of these analytes, are included on *Table 6*. BTEX compounds are typically associated with light hydrocarbon liquids and petroleum-based products, including gasoline and mineral spirits. The majority of the remaining VOC detected during the soil sampling activities consisted of similar petroleum-derived VOC.

Sixteen separate SVOC were detected at concentrations above laboratory reporting limits in 11 of the 30 soil samples collected from the soil borings at the subject property. Thirteen of the reported SVOC were polycyclic aromatic hydrocarbons (PAH) compounds, generally associated with ash, fill material, and other anthropogenic sources.

Up to 12 individual metals were detected at concentrations above the laboratory reporting limits in each of the samples analyzed. With the exceptions of beryllium (not detected in five of the 30 soil samples) and mercury (detected in four of 30 soil samples), all of the metals analyzed were detected in every soil sample analyzed for metals.

TPH was detected at concentrations above the laboratory reporting limits in 16 of the 30 soil samples collected at the subject site and 13 of 22 samples collected on the P&WRR property. The detected petroleum fractions included light, medium, and heavy distillates. Generally, on the subject site, light petroleum distillates were detected concurrent with the highest reported concentrations of BTEX. Light petroleum distillates were not detected in any samples collected from the P&WRR property.

No PCBs were detected at concentrations above the laboratory reporting limits in any of the soil samples.

4.4 Groundwater Characterization and Analytical Results

4.4.1 Groundwater Elevation and Flow Direction

Groundwater elevations were gauged on July 1, 2011, and again on May 8, 2013, prior to the commencement of low-flow groundwater sampling. The depth to groundwater was measured throughout the subject site and P&WRR property at depths ranging between approximately 7 and 34 fbg. Groundwater elevations, measured relative to the assumed datum of 100.00 feet at the top of standpipe of monitoring well MW-203, are included in *Table 7*. During both monitoring activities, the observed groundwater flow direction was to the northeast.

4.4.2 Analytical Results – July 2011

During the July 2011 groundwater monitoring activities, 11 primary groundwater samples and one duplicate sample were collected at the subject site. Analytical results are summarized on *Table 8*, and the Premier analytical data reports are included in *Appendix D*. As noted on *Table 8*, 19 individual VOC were reported at concentrations above the laboratory reporting limits in five primary groundwater samples. BTEX compounds, and specifically ethylbenzene and xylenes, were generally detected at the highest concentrations in the groundwater samples.

As noted on *Table 8*, seven SVOC were detected at concentrations greater than the laboratory reporting limits in four groundwater samples. In contrast to the soil data (for which the detected SVOC were primarily PAH), the SVOC detected in groundwater were generally substituted derivatives of benzene (chlorobenzenes and phenols).

Twelve individual metals, including arsenic, barium, beryllium, cadmium, chromium, copper, lead, manganese, nickel, selenium, vanadium, and zinc, were each detected at concentrations greater than the laboratory reporting limits in at least one groundwater sample. With the exceptions of selenium (one detection), beryllium (four detections), and cadmium (seven detections), all of the metals were detected

in at least nine of the 11 groundwater samples at concentrations greater than the laboratory reporting limit.

4.4.3 Analytical Results – May 2013

During the May 2013 groundwater monitoring event, 15 primary groundwater samples and one duplicate sample were collected from the subject site and adjacent P&WRR property. Analytical results are summarized on *Table 8*, and the Premier analytical data reports are included in *Appendix D*.

Groundwater samples collected in May 2013 were submitted for VOC analysis only. VOC were reported at concentrations above the laboratory reporting limits in 15 groundwater samples, including 14 primary samples and the duplicate sample, collected in May 2013. As noted on *Table 8*, 21 individual VOC were each reported at concentrations exceeding the laboratory reporting limits.

The VOC detected in groundwater samples collected in May 2013 were generally the same as those identified in July 2011, with the addition of 2-chlorotoluene and 1,3-dichlorobenzene detected in several samples collected in May 2013.

BTEX compounds, and specifically ethylbenzene and xylenes, were generally detected at the highest concentrations in the groundwater samples compared to the other VOC. With the exception of the sample collected from monitoring well MW-207, ethylbenzene and xylenes were detected in all of the groundwater samples collected at during the May 2013 monitoring event.

5 Data Verification and Usability

5.1 Data Verification and Usability

Fuss & O'Neill conducted modified Tier II data verification of the field and analytical data resulting from the assessment documented herein. Modified Tier II verification narratives as well as modified Tier II data validation checklists are attached to each laboratory analytical report in *Appendix D*.

During the course of the sampling events conducted as part of the SI/TBA, 91 total samples were collected and analyzed: 52 soil samples, including three duplicates, 28 groundwater samples, including two duplicates, and 11 trip blanks. Requested analytical parameters included:

- VOC by USEPA Method 8260,
- SVOC by USEPA Method 8270,
- Sixteen total metals by USEPA Methods 6010 and 7471,
- TPH by USEPA Method 8100, and
- PCBs by USEPA Method 8082.

All samples were analyzed within method-specified holding times.

A total of 11 trip blanks were submitted for analysis for this investigation. All submitted trip blanks were analyzed for VOC by USEPA Method 8260. Carbon disulfide was detected in trip blanks

associated with all of the 2011 field sampling activities, at concentrations less than twice the laboratory reporting limit. Carbon disulfide was detected at concentrations greater than the reporting limits in multiple soil and groundwater samples at the site, a condition which may have been biased by carbon disulfide cross-contamination. However, no risk-based regulatory criteria have been established for carbon disulfide, and as the primary VOC of concern at the subject site were BTEX compounds, the presence or absence of carbon disulfide in these samples was not anticipated to affect determinations of risk at the subject site.

Dedicated disposable sampling equipment (e.g. tubing, gloved hand, etc.) was used for all samples collected during this investigation. Therefore, no equipment or field blanks were collected.

Duplicate analytical results are summarized in the attached data tables and included in *Appendix D*. Duplicate samples were required at a frequency of one duplicate per 20 primary samples per matrix over the course of the project. Three duplicates for soil and two duplicates for groundwater were collected and submitted for the same analytical parameters as the associated primary samples.

Comparisons of the results of the primary and duplicate soil samples collected in June 2011 indicated that the calculated relative percent differences (RPDs) were generally below 30%, except for manganese, and three SVOC compounds. These conditions were anticipated to be a result of sample heterogeneity and matrix interferences and were not expected to significantly affect the overall usability of the data.

The RPDs for the primary and duplicate soil samples collected in May 2013 were above 30% for several analytes, including TPH (98% RPD), 1,2-Dichlorobenzene (57%), and n-Propylbenzene (106%). The primary and duplicate samples were significantly diluted for both the TPH and VOC analyses, with 10x and 25x dilutions in the TPH analysis and 50x and 200x dilutions in the VOC analysis for the primary and duplicate samples, respectively. The elevated RPDs may be related to sample heterogeneity or propagation of error via serial dilution of the samples. As noted below, the concentrations of TPH and VOC (specifically ethylbenzene and total xylenes) in both the primary and duplicate samples exceeded the RIDEM Method 1 R-DEC, and therefore, a lack of analytical precision related to other target compounds does not affect the conclusions relative to risk at the subject site and P&WRR property.

RPDs of the primary and duplicate 2011 groundwater samples were less than 30%, with the exception of barium at 158%. The barium RPD appears to be a statistical outlier, and may be related to the high measured turbidity of the sample (1,000 NTU). Since it is not suitable for use as a drinking water source, RIDEM has not promulgated GB-GO standards for metals, and so the high barium RPD is not anticipated to affect the evaluation of risk related to contaminants in groundwater. The RPDs of the 2013 primary and duplicate groundwater samples were less than 10% for all detected analytes.

In summary, the SI/TBA documented herein was conducted in accordance with the *Generic QAPP*, site-specific *QAPP Addendum*, and *QAPP Modification*. The overall analytical data set reported for soil and groundwater samples collected during the assessment activities was considered to be usable for the intended purpose of evaluating the environmental condition of the site and the P&WRR property, and compliance with applicable RIDEM criteria.

5.2 Laboratory Reporting Limits and Regulatory Criteria

Based upon the current and foreseeable use of the subject site, the analytical results were compared to the following RIDEM Method 1 regulatory criteria:

Soil:

- Residential Direct Exposure Criteria (R-DEC)
- Industrial/Commercial Direct Exposure Criteria (I/C-DEC)
- GB Leachability Criteria (GB-LC)

Groundwater:

- GB-GO
- Upper Concentration Limit (UCL)

Premier generally provided reporting limits low enough to allow for direct comparison to the regulatory criteria, with a few exceptions. The analytical reporting limits for three soil samples collected in April 2013 from soil borings SB-301, MW-304 and MW-305 exceeded the R-DEC for benzene, and in the instance of the sample from MW-304, trichloroethene. In each of these instances, the reporting limits were elevated due to dilutions of 500x or greater, which were required to quantify other VOC in the samples. Therefore, these elevated reporting limits did not have a negative effect on the overall usability of the data.

The laboratory analytical data were generally compliant with Fuss & O'Neill's *Generic QAPP for Projects in Rhode Island* and the site-specific *QAPP Addendum* and *QAPP Modification* for the subject property.

6 Data Analysis and Risk Characterization

6.1 Soil Data Analysis

Analytical results for soil samples are summarized in *Table 6*. The results were compared to the regulatory criteria as discussed above in *Section 5.2*. Overall, exceedances of the applicable RIDEM Method 1 criteria are summarized in the table below:

Table 9
Summary of Soil Samples with Applicable Regulatory Exceedances

| Location | Depth (fbg) | Applicable Regulatory Exceedances |
|----------|-------------|--|
| MW-201 | 10 to 15 | R-DEC: Manganese |
| MW-206 | 10 to 15 | R-DEC: TPH, VOC GB-LC: TPH, ethylbenzene I/C-DEC: TPH |
| MW-208 | 10 to 15 | R-DEC: TPH, VOC GB-LC: TPH, ethylbenzene I/C-DEC: TPH |
| MW-210 | 0 to 2 | R-DEC: PAH I/C-DEC: Benzo(a)pyrene |
| | 10 to 14 | R-DEC: TPH, xylenes GB-LC: TPH I/C-DEC: TPH |
| SB-211 | 0 to 2 | R-DEC: TPH, PAH I/C-DEC: Benzo(a)pyrene |
| MW-214 | 0 to 2 | R-DEC: Arsenic I/C-DEC: Arsenic |
| SB-301 | 5 to 10 | R-DEC: TPH GB-LC: TPH I/C-DEC and GB-LC: TPH |
| MW-303 | 6 to 10 | R-DEC: TPH, ethylbenzene GB-LC: ethylbenzene, TPH I/C-DEC: TPH |
| MW-304 | 1 to 5 | R-DEC: TPH, 1,2,4-Trichlorobenzene |
| MW-306 | 0 to 5 | R-DEC: TPH |
| MW-306 | 11 to 13 | R-DEC: ethylbenzene, xylenes GB-LC: ethylbenzene |

Notes: MW: monitoring well
SB: soil boring

Four distinct conditions which may pose potential human health risks (as described in *Table 9* above) were identified at the subject site:

- Shallow soil on the subject site was reported to contain anthropogenic fill materials, including brick, ash and coal. Three surface soil samples at the subject site (collected from soil borings MW-210, SB-211 and MW-214) contained concentrations of PAH, TPH and arsenic at concentrations exceeding the I/C-DEC and/or R-DEC, which may be attributed to the presence of anthropogenic fill materials at the site.
- Shallow soil (samples collected less than five feet below grade) on the P&WRR property was reported to contain TPH in two locations (MW-304 and MW-306) and 1,2,4-trichlorobenzene

in one location (MW-304) which exceeded the R-DEC. Deeper samples collected from these two locations (between 11 and 15 feet below grade) contained significantly lower concentrations of these target analytes (below the R-DEC) than the shallow samples. Additionally, trichlorobenzene was not detected elsewhere in soil samples at concentrations of that magnitude. Because these samples were collected from the unsaturated zone and vertically confined to the unsaturated thickness based on the available data set, this release may not be attributed to conditions originating at the Woonsocket Color & Chemical site.

- The duplicate soil sample collected from soil boring MW-201 at a depth of 10 to 15 fbg was reported to contain manganese at a concentration of 460 mg/kg, exceeding the R-DEC of 390 mg/kg. The primary sample collected from this location and depth contained a reported manganese concentration of 300 mg/kg. The soil represented by these samples was described as natural material consisting of interbedded layers of fine and medium sand, with traces of coarse sand and gravel. No evidence of an anthropogenic source of manganese was observed in soil at that depth interval of boring MW-201. Manganese was detected in all 30 soil samples analyzed for metals, at concentrations between 35 and 460 mg/kg. Therefore, the relatively higher manganese concentration in native soil at boring MW-201 may be attributed to natural background conditions, and likely does not represent evidence of a release of manganese to the environment.
- Multiple soil samples collected between approximately 5 and 15 feet below grade on the southeastern portion of the Woonsocket Color & Chemical site and portions of the adjacent P&WRR property were reported to contain concentrations of ethylbenzene, xylenes and TPH at concentrations greater than the R-DEC and GB-LC. As noted on *Figure 4*, the highest concentrations of TPH and BTEX were generally located along the southern boundary of the subject site (including soil borings MW-206, MW-208 and MW-210) and along the northern edge of the P&WRR tracks (including soil boring SB-301).

Sampling locations where soil samples containing BTEX and TPH at concentrations greater than the R-DEC were collected are identified on *Figure 4*, along with the reported concentrations of these contaminants. The lateral extent of reported R-DEC exceedances for TPH and VOC was focused in an area roughly bounded by soil borings SB-212, MW-203 and SB-312 to the south, MW-209 to the north, MW-207 to the west and soil borings MW-307 through MW-311 to the east of the railroad track.

6.2 Groundwater

Analytical results for the groundwater samples are summarized in *Table 8*. The results were compared to the regulatory criteria discussed above in *Section 5.2*. Overall, exceedances of the applicable RIDEM Method 1 criteria are summarized in the table below:

Table 10
Summary of Groundwater Samples with Applicable Regulatory Exceedances

| Location | Applicable Regulatory Exceedances |
|----------|-----------------------------------|
| MW-206 | GB-GO: ethylbenzene |
| MW-208 | GB-GO: ethylbenzene |
| MW-210 | GB-GO: ethylbenzene |
| MW-302 | GB-GO: ethylbenzene |
| MW-305 | GB-GO: ethylbenzene, toluene |
| MW-306 | GB-GO: ethylbenzene, toluene |
| MW-308 | GB-GO: ethylbenzene |
| MW-309 | GB-GO: ethylbenzene |
| MW-310 | GB-GO: ethylbenzene |
| MW-311 | GB-GO: ethylbenzene |

Figure 5 depicts dissolved-phase BTEX concentrations based on the May 2013 monitoring activities (supplemented by July 2011 data where warranted), and samples from wells depicted in red exceeded the GB-GO for one or more VOC. The extent of VOC in groundwater at concentrations exceeding the GB-GO generally overlapped the area of soil containing concentrations of TPH and VOC greater than the GB-LC, and was focused in an area bounded by monitoring well MW-203, MW-303, and MW-307 to the south, MW-207 and MW-7 to the west, and MW-209 and MW-213 to the northwest. However, groundwater samples collected from the most downgradient monitoring wells at the P&WRR, located east of the tracks, including MW-308, MW-309, MW-310, and MW-311, were reported to contain concentrations of ethylbenzene that exceeded the GB-GO. Therefore, the lateral extent of ethylbenzene in groundwater at concentrations exceeding the GB-GO has not been delineated to the east and northeast.

7 Conceptual Site Model and Conclusions

The objective of the Site Investigation activities described herein was to complete the *SIR/TBA* in accordance with the requirements of Section 7.00 of the RIDEM *Remediation Regulations*. These investigations consisted of the collection and laboratory analysis of soil and groundwater samples, and an interpretation of the field and analytical data sets. Based on the environmental conditions described above, two releases have been identified as part of this SI/TBA:

- A point-source release of petroleum and VOC has affected subsurface (i.e. at and near the water table) soil and groundwater on the southeastern portion of the subject site, and on the adjacent P&WRR property. The extent of groundwater containing BTEX compounds at concentrations greater than the RIDEM Method 1 GB-GO has not been defined laterally to the northeast or east. VOC and TPH were generally collocated in soil at the subject site and as noted above, many of the VOC (including BTEX) identified at the subject site were associated with petroleum, and therefore, the source of VOC and TPH was inferred to be the same release.

A specific point source contributing to the release (e.g. a specific tank, process operation, spill,

etc.) was not identified during the course of this Site Investigation. However, historical fire insurance mapping of the Woonsocket Color & Chemical Co. facility, dated 1950, depicted three storage buildings and a rail spur on the eastern property boundary in the vicinity of monitoring wells MW-206, MW-208, and MW-210. The observed concentrations of BTEX in soil and groundwater and TPH in soil were greatest at and in the vicinity of these sampling locations, including portions of the P&WRR abutting the site. Based on these observations, the release of BTEX and TPH to subsurface soil and groundwater may be a historical point source release related to storage and/or loading of hazardous materials in this area. Groundwater at greater distances to the northeast and east of the inferred source area also contained BTEX compounds at concentrations greater than the GB-GO. These observations are consistent with leaching of contaminants from a soil source to groundwater, with subsequent diffusion and migration from the point-source release area.

- A non-point release of arsenic, PAH and TPH was identified in fill material on the northeastern portion of the subject site. The fill material was observed to include brick, ash, coal, and other anthropogenic materials. Three soil samples containing fill material, collected from depths less than two feet below grade at sample locations MW-210, SB-211 and MW-214, contained concentrations of arsenic and PAH which exceeded the RIDEM I/C-DEC and/or R-DEC. Other samples of fill material collected at the subject site contained lesser concentrations of arsenic, PAH and TPH co-located with anthropogenic materials (coal, coal ash, brick, etc.) Based on the widespread location of the fill material (in the vicinity of the former buildings), the release mechanism was inferred to have been related to the structural fire in the 1980s, the subsequent demolition of the building, or site-wide filling.
- In addition to the point source and non-point source releases on the subject site, soil and groundwater samples collected on the P&WRR property contained concentrations of several contaminants (specifically including 1,2,4-trichlorobenzene) which were not identified in any samples collected from the subject site. Rail track operations may have included the use or transport of hazardous materials not associated with the subject site, and therefore, releases specific to the P&WRR property may exist and may be unrelated to the conditions observed at the subject site. Because these conditions were not identified on the subject site and may be associated with a separate off-site release, remedial alternatives to address these conditions have not been considered herein.

8 Remedial Alternatives Evaluation

Field activities conducted during the performance of the SI were designed to meet the SIR objective – to identify and document the quality of various environmental media at the site and evaluate potential impacts of contaminants on human and environmental receptors. Based on the results of the SI, Fuss & O'Neill identified the following conditions that should be considered when selecting an appropriate remedial approach:

- The immediate risks associated with the site were primarily direct exposure to contaminated soil. Though migration of contaminants from the site had resulted in impacts to soil and groundwater quality at nearby properties, the site is located in a GB area (a non-drinking water

area). Therefore, direct ingestion of contaminated groundwater is not anticipated. However, additional study may be warranted to assess the extents of VOC in off-site groundwater to fully establish the nature of off-site risks and potential exposures.

- As the site is presently vacant, current potential receptors of soil contamination are primarily trespassers (child and adult) and visitors (adult) on the site. Specific development plans for the site have not yet been determined, but could include residential development. Therefore, future uses of the site may introduce additional potential receptors of environmental contaminants. Due to the potential for future residential or other non-industrial or commercial use(s) of the site, the soil dataset was compared to the R-DEC in addition to the I/C-DEC.
- If the future use of the site includes the construction of enclosed occupied structures, then potential receptors may include children or adults exposed to indoor air. Furthermore, groundwater containing volatile contaminants (i.e. BTEX) at concentrations exceeding the RIDEM GB-GO is migrating off-site. Therefore, the migration of vapors from the subsurface into indoor air at and off-site is a potential exposure route.
- The actual release mechanism and specific source location of petroleum-related contaminants (i.e. TPH, BTEX) observed in soil and groundwater were not specifically confirmed during the SI. However, as noted above, the source of BTEX and TPH was inferred to have been related to delivery, handling, or storage of OHM at the southeastern portion of the site, in the vicinity of the rail tracks.
- The greatest documented concentrations of contaminants in soil and groundwater were identified in borings and monitoring wells located along the eastern subject site boundary and on the P&WRR property to the east of the subject site. The down-gradient limit of groundwater containing BTEX was not determined during the SI documented herein, and therefore, future evaluation of off-site groundwater conditions attributable to releases at the site may be warranted. However, the existing data set is sufficient to evaluate remedial strategies for the inferred point source of soil and groundwater contamination on and adjacent to the subject site.

In consideration of these conditions, Fuss & O'Neill evaluated the following remedial alternatives for the point- and nonpoint-source releases originating at the subject site:

Remedial Alternatives for Point Source Release (BTEX and TPH):

- Monitored Natural Attenuation (MNA)
- Excavation and off-property disposal of contaminated soil
- In-Situ Chemical Oxidation (ISCO)
- Phytoremediation
- Aerobic Bioremediation

Remedial Alternatives for Non-Point Source Release (PAH and arsenic):

- Excavation and off-site disposal of contaminated soil
- Capping and implementation of an ELUR

As noted below, the remedial alternatives are evaluated in varying levels of detail. Certain alternatives have been identified as being technically or financially infeasible for reasons described below but would typically be employed at the site if feasible. These alternatives were included for completeness but not evaluated in significant detail. Other alternatives may be feasible but would depend on the end use and project schedule for redevelopment (e.g. a more intensive method may be required to facilitate residential development and occupancy within months, while a less intensive method may be feasible for long-term open space conservation uses). Those alternatives, and their relative costs and timing considerations, are evaluated in more extensive detail below.

8.1 Point-Source Alternative #1 - Monitored Natural Attenuation

MNA can be a viable remedial alternative at many regulated sites, including those with BTEX and TPH contamination, as has been identified at the subject site and P&W RR property. However, MNA is generally only feasible when site conditions do not pose a risk of harm to on-site or off-site receptors under the existing site conditions and site use can be maintained in a manner compatible with attenuation. Groundwater at and down-gradient of the subject site has been observed to contain BTEX at concentrations greater than the GB-GO and the current data set is insufficient to demonstrate long-term stability or attenuation of these contaminants in a manner which would render MNA an effective permanent cleanup strategy. Additionally, TPH and VOC have been identified in soil at concentrations greater than the GB-LC, indicating that without remedial actions, the soil may continue to serve as a source of TPH and VOC to groundwater, which would make MNA infeasible for mitigating risk of harm to receptors in the short term.

Overall, MNA would not currently comply with Section 8 (Risk Management) of the *Remediation Regulations*. However, MNA may warrant further consideration as a partial remedy if source removal or supplemental contaminant reduction measures are conducted at the site in the future.

8.2 Point-Source Alternative #2: Excavation and Disposal of Soil

Excavation and off-site disposal of soil containing VOC and TPH may be an effective way of reducing concentrations of point-source related contaminants at the subject site and P&WRR property by physically removing the source material. By removing the contaminated soil, long-term risks to human health and the environment at the subject site and P&WRR property would be mitigated. Given the high-density development proximal to the site and the volatile nature of the contaminants, such a project would require careful planning, implementation of engineering controls, and community outreach in order to be successful.

Excavation may be feasible at portions of the subject site, but as noted above, portions of the point source release extend to the P&WRR rail tracks. Excavation of this portion of the release may be technically infeasible unless the tracks are removed from service temporarily, which may be incompatible with rail operations. Therefore, excavation and off-site disposal is considered technically infeasible.

8.3 Point Source Alternative #3: In-Situ Chemical Oxidation

In-situ chemical oxidation (ISCO) is a remediation method which uses reactive chemicals to destroy the target contaminants on contact. The oxidizing compounds, which can consist of numerous different types of chemicals, are applied to the release area via a network of wells or temporary injection points and react below the ground surface. The oxidants and contaminants are consumed or broken down in the reactions, resulting in final products of carbon dioxide, iron, sulfate, or other similar non-toxic compounds. ISCO can be applied in the vadose or saturated zones, and can be used to address a wide range of VOC and petroleum compounds, resulting in permanent mass removal of the contaminants.

A. Risk Management

ISCO can destroy BTEX and TPH compounds, yielding non-toxic end products. The reactions occur underground and therefore do not involve extraction and handling of contaminated media, do not generate large quantities of waste, and do not result in local air quality impacts. The reactants themselves are typically consumed within days or weeks, generally do not migrate significantly beyond the original point of application, and would not likely pose an environmental risk to downgradient receptors. However, many chemical oxidants are highly reactive and ISCO requires site security as well as careful planning and execution.

ISCO can require multiple treatment events to successfully complete, as the reactions occur in the aqueous phase and are limited with respect to radius of influence. Following an ISCO treatment program, the dissolved-phase concentrations of the target contaminants can “rebound” (return to baseline levels) if the contaminant source in soil is not fully addressed. Post-treatment soil sampling and/or groundwater monitoring is required to verify that complete destruction of the contaminant is achieved.

B. Technical Feasibility

ISCO could be conducted at the site and P&WRR property using either direct-push injection or a network of injection wells. Due to the significant number of wells already present, ISCO could potentially be conducted by retrofitting existing monitoring wells as injection well points. The shallow aquifer at the site was observed to be primarily sandy, and may be sufficiently conductive to readily accept an injection of oxidants. Hydraulic conductivity testing would be warranted to confirm this condition and other aquifer properties prior to application.

To date, soil and groundwater at the site and P&WRR property have not been assessed for total organic carbon (TOC) or iron. These materials, as well as other reduced compounds, can exert an “oxidant demand” in the subsurface, decreasing the efficiency of the oxidant application. The presence of these interfering substances could require increases in reagent dosage or multiple injections to achieve appropriate treatment. Increases in dosage, injection frequency, etc. can be used to overcome oxidant demand associated with subsurface materials, but can increase treatment costs.

C. Compliance with State and Local Laws or Other Public Concerns

Successful use of ISCO would comply with Section 8 of the *Remediation Regulations* as well as other state and local laws. RIDEM approval of a *Remedial Action Work Plan* (RAWP) would be required for ISCO. Certain oxidants are regulated by the United States Department of Homeland Security (DHS) under its Chemical Facility Anti-Terrorism Standards (CFATS) and use of these reagents could require planning and site security measures (fencing, storage buildings, security guards, etc.) to prevent theft or release of these chemicals, and coordination with local police, fire or emergency responders to prevent adverse consequences during application.

D. Financial Feasibility

As stated above, one of the primary cost considerations regarding ISCO is the extent of oxidant demanding interferences in the treatment zone. Without analytical data quantifying these interferences, or a bench-scale or pilot testing program to evaluate actual oxidant dosages and relative performance, the dosage and concentration of reagent cannot be confirmed at this time. The cost of ISCO is directly related to the reagent quantity that is necessary. Therefore, further investigation, including bench-scale or pilot testing, would be warranted to assess the financial feasibility of ISCO.

8.4 Point Source Alternative #4: Phytoremediation

Phytoremediation is the use of specific plantings, including certain types of trees and grasses, which have the natural ability to take up contaminants from the surrounding environment and either accumulate or metabolize the contaminants. Hybrid poplar trees are often used in phytoremediation because of their ability to absorb large volumes of water during the growing season, thereby limiting groundwater migration, and metabolize and mineralize a variety of VOC, removing these compounds from the subsurface. Additionally, the roots of a hybrid poplar tree aerate the surrounding soil, creating an environment conducive to natural biodegradation of soil contaminants.

A. Risk Management

Phytoremediation can be used to scavenge and degrade BTEX and TPH at the subject site, and over time could result in the permanent reduction in BTEX and TPH concentrations. Hybrid poplars could be used for groundwater migration control if planted in the vicinity of the source area, and would reduce the potential for contaminated groundwater to migrate from the subject site and pose risk to down-gradient receptors. However, the phytoremediation process can take years to reduce the contaminants to acceptable levels, and may not be appropriate for the site if immediate redevelopment is planned or if significant risks posed to off-site receptors as a result of contaminant migration are identified.

B. Technical Feasibility

Installation of hybrid poplar trees is technically feasible, as the trees can be installed from plantings, saplings or cuttings, and are generally compatible with the New England climate. The trees grow with

minimal maintenance. Use of hybrid poplars in phytoremediation is a well-documented remedial strategy and has been demonstrated in numerous field trials.

Annual maintenance, potentially including pruning, growth monitoring, replacement of damaged/diseased trees or applications of fertilizers, pesticides or other chemicals to promote tree growth may be required.

Because of the sizes of the trees, it may not be technically feasible to install them near the P&WRR rail tracks, as these trees could grow to impede track operations or may be harmed by track use or maintenance activities.

C. Compliance with State and Local Laws or Other Public Concerns

Use of phytoremediation may be acceptable as a remedial strategy in accordance with the *Remediation Regulations*, and is generally acceptable to the public as an aesthetically pleasant strategy. Use of phytoremediation would be limited to the subject site and would likely not be acceptable on the P&WRR property, as the tree growth could encroach into the rail way operations. Also, as noted above, phytoremediation occurs over a period of years which may be inappropriate for certain redevelopment strategies or risk-management scenarios. Therefore, phytoremediation may or may not comply with state laws or other public concerns, and these concerns would warrant consideration.

D. Financial Feasibility

The actual cost to install and maintain phytoremediation plantings is limited. Individual seedlings can be purchased for less than \$20, and five-foot tall trees can be purchased for approximately \$50 to \$75, and the trees do not require significant ground preparation to install. The major cost of this alternative is borne in the long-term monitoring of site conditions to ensure long-term health of the plantings and confirm that environmental conditions improve as a result of the poplar's presence. We estimate that the cost to permit and install the phytoremediation plantings could be between \$50,000 and \$75,000, but that annual monitoring could cost an additional \$40,000 per year and occur over a period of ten or more years. Although potentially manageable due to its relatively low incremental costs (as compared to excavation and disposal, which would be a one-time cost for the full value of the project), the estimated cost of phytoremediation at the site could be \$500,000 or more as a life cycle cost.

8.5 Point Source Alternative #5: Aerobic Bioremediation

Aerobic bioremediation is the use of naturally occurring heterotrophic bacteria (bacteria which consume a carbon food source for energy) which consume the targeted contaminants, along with available oxygen, and respire carbon dioxide to support their metabolic processes. The activity of the naturally-occurring bacteria is enhanced through the introduction of oxygen, nutrients and/or energy sources to the subsurface.

The rate and effectiveness of aerobic bioremediation of impacted soil and groundwater tends to be limited in part by oxygen availability. Based on a general review of the groundwater field parameters,

including DO and ORP measured during the SI activities described above, groundwater containing VOC may be under anaerobic conditions and thus, these naturally-occurring heterotrophic processes may have stalled. Addition of oxygen to the subsurface at the subject site may have the potential to restart these biological processes and support biodegradation of the BTEX and TPH. Numerous oxygen delivery mechanisms and commercial products designed to facilitate oxygen delivery exist, and include mechanical systems to pump air into the subsurface and chemical reagents which release oxygen in contact with groundwater.

A. Risk Management

Enhanced bioremediation could be utilized at the site to destroy petroleum contaminants at and down-gradient of the source area. The chemical reagents are specifically designed to be non-hazardous, to prevent destruction of the existing bacteria. The bacteria tend to persist and flourish following the bioremediation activity, and therefore provide a long-term safeguard against rebounding effects. The process generally occurs over months and could limit long-term risks to off-site receptors.

B. Technical Feasibility

Enhanced bioremediation may be technically feasible at the subject site. The primary contaminants of concern in the adsorbed and dissolved phases at the subject site are light and medium-weight petroleum hydrocarbons and BTEX. These compounds are typically readily removed via aerobic biodegradation processes. Oxygen delivery can be conducted using mechanical systems (air sparge) or an injection process, using a direct-push drill rig or injection wells. Alternatively, some reagents are available in "socks," consisting of a permeable container of the reagent material which is deposited directly into a remediation well and replaced as necessary to provide a long-term oxygen source. The oxygen dissolves into the groundwater and migrates with the groundwater until it is exhausted.

Overall, the addition of oxygen to the aquifer is technically feasible. Further study may be warranted to confirm that favorable conditions are present at the site to support necessary bacterial growth and associated contaminant destruction.

In addition to oxygen and contaminant concentrations, aerobic bacteria require nutrients, including phosphorus, sulfur and nitrogen, and additional sampling may be warranted to evaluate whether these materials are present in the subsurface or whether nutrient amendments would be required. Commercial reagent formulations can be purchased with the appropriate nutrient balance to foster biodegradation, and therefore, it may be technically feasible to complete.

C. Compliance with State and Local Laws or Other Public Concerns

Use of enhanced bioremediation would comply with Section 8 of the *Remediation Regulations* as well as other state and local laws. Several of the above-referenced delivery methods could be conducted on P&WRR property without the need for additional infrastructure (wells) or without the need for heavy equipment access to that property, and could facilitate cleanup of the portion of that property affected by the petroleum release originating from the site in a manner which does not impede rail operations.

D. Financial Feasibility

Bioremediation may be financially feasible for a performing party to complete. Generally, the cost to use the above-referenced filter “socks” is approximately \$20,000 to \$50,000 per year for a site the size of the subject site and the affected portion of the P&WRR property, depending on the required rate of replacement, which tends to decrease as the concentrations of the targeted contaminants decrease and biological uptake of the available oxygen slows. More invasive methods, such as reagent application using direct-push or injection well networks, can cost significantly more, due to the use of larger equipment and the greater mass of oxygen delivered at one time. However, the timeframes to complete the remediation can be cut, in some cases, from years to months using the more invasive methods.

As with other treatment methods listed above, post-remediation groundwater monitoring would be required to confirm the success of the method and demonstrate long-term groundwater quality restoration. The costs to monitor groundwater typically fall in the range of \$20,000 to \$60,000 per year, but can vary based on the scope of monitoring and reporting (e.g. semi-annual monitoring for VOC only, or quarterly monitoring for ancillary parameters, such as nutrients).

The overall cost to conduct a bioremediation program could therefore be between \$200,000 and \$500,000 or more, depending on the methodology used to introduce the oxygen and/or nutrients and the monitoring timeframe and scope.

8.6 Non-Point-Source Alternative #1: Excavation and Disposal of Soil

Excavation and off-site disposal of shallow soil containing PAH, TPH, and arsenic may be an effective way of reducing concentrations of these contaminants associated with the non-point source release(s) at the subject site, by physically removing the impacted soil from the subject site. Removing the contaminated soil would permanently mitigate long-term risks to human health and the environment at the subject site. However, during excavation and transportation of the material, there would be significant short-term high-intensity direct exposure risks to human health at or near the subject property. As noted above, the high-density residential setting of the subject site would necessitate careful planning for soil removal to minimize nuisance issues and exposure to dust by occupants of properties near the site.

Excavation and disposal of soil as a remedial alternative may be technically feasible on a limited basis. However, PAH, TPH, and arsenic in soil at the site constitute a non-point release, attributed to site-wide fill materials and/or residual building materials, and could require extensive excavation across a significant portion of the site to achieve the compliance requirements.

While only three of the surface soil samples across the subject site were reported to contain PAH, TPH, and/or arsenic at concentrations greater than the RIDEM Method 1 R-DEC, TPH and PAH were additionally detected in 11 and five, respectively, additional shallow soil samples at concentrations less than the R-DEC. Arsenic was also detected at concentrations exceeding laboratory reporting limits, but less than the RIDEM R-DEC, in all 13 additional shallow soil samples collected from the site. Due to the site-wide presence of these compounds and suspected source materials (i.e. soil containing fill) in

shallow soil, attempts to isolate and remove small volumes of soil may be unsuccessful, as elevated (i.e. exceeding RIDEM R-DEC) concentrations of these compounds may exist in shallow soil at areas of the site where no samples were collected.

The footprint of the former structures at the site (where the three soil samples containing arsenic, TPH, and PAH at concentrations greater than the R-DEC were collected) totaled approximately 0.5 acres, and excavation of that area to a depth of two feet below grade would require management and disposal of approximately 1,600 cubic yards of soil (approximately 2,400 tons). Disposal of soil of this nature typically costs approximately \$50 per ton and thus may be feasible for approximately \$120,000. This estimate excludes the additional cost of remediation of the petroleum and BTEX release, which requires alternate site management strategies. However, removal of all site-wide shallow soil containing fill could require excavation, management and disposal of approximately 1.5 acres of soil to an average depth of five feet (12,100 cubic yards or approximately 18,000 tons) and could cost in the range of \$1,000,000. Therefore, excavation and off-site disposal of soil containing fill material as the sole remedial strategy for soil containing non-point source contaminants at the site is considered financially infeasible.

8.7 Non-Point Source Alternative #2: Soil Capping and ELUR

Capping with a combination of clean fill, pavement, and building foundations would mitigate the potential for direct exposure to soil containing the contaminants of concern, and may be a feasible remedial approach for the subject site as a part of site redevelopment. The engineered cap would act as a physical barrier and mitigate direct exposure and erosion / entrainment risks posed by on-site soil.

Soil capping would include a combination of one or more of the following capping sections placed over existing soil:

- A two foot thickness of clean fill.
- A one foot thickness of clean fill underlain by geotextile fabric.
- A four inch thickness of asphalt or concrete underlain by six inches of clean fill. Concrete building floor slabs could be equipped with a rubberized vapor barrier at the location of any occupied structure overlying groundwater containing BTEX at concentrations greater than the RIDEM Method 1 GB-GO, depending on the implementation or outcomes of separate remediation strategies implemented to address the presence of VOC in groundwater.

Capping specifications, including the specific capping layout and material specifications for the cap would be presented in a *RAWP* prepared in accordance with *Section 9* of the *Remediation Regulations*. An ELUR and *Post-Construction Soil Management Plan (SMP)* would also be implemented. The ELUR would require that future uses of the subject site would be compatible with the soil cap and would ensure the integrity of the soil cap through inspection, maintenance, and reporting requirements. The *Post-Construction SMP* would detail the protocols required for disturbances of the engineered controls (the cap) and underlying soil at the subject site.

A. Risk Management

Capping would prevent future site users from being directly exposed to soil and would prevent erosion or dust migration of contaminated soil under normal daily site operations. An ELUR would mandate that future owners of the subject site maintain the engineered cap and would additionally require that future soil disturbances be conducted in accordance with the *Post-Construction SMP*. The ELUR would additionally require annual inspections and certifications that the cap is maintained adequately and direct exposure to underlying soil is mitigated.

B. Technical Feasibility

Capping of surficial material and the implementation of an ELUR is a technically feasible remedial alternative, and could be performed concurrent with site improvement and redevelopment activities.

C. Compliance with State and Local Laws or Other Public Concerns

Implementation of capping in conjunction with the filing of an ELUR would comply with Section 8 of the *Remediation Regulations* as well as other state and local laws.

D. Financial Feasibility

Capping costs are largely driven by the materials of construction and depend on the specific layout of the final finished cap. Typical capping costs range from \$100,000 to \$200,000 per acre, depending on site layout and the cap types utilized. The costs to install a cap over the entire approximately 1.5 acre site are therefore inferred to be approximately \$150,000 to \$300,000. The cap design and construction costs are typically partially offset by the end product (e.g. the cost of a pavement cap replaces the costs of driveways or parking lots) and therefore, is considered financially feasible as a component of a site development strategy.

8.8 Preferred Remedial Alternative

Based on the above-summarized remedial alternatives evaluation, the most feasible remediation strategy for the releases associated with the subject site would be a combination of soil capping (with preparation and filing of an associated ELUR and *Post-Construction SMP*) and a groundwater remediation alternative, with aerobic bioremediation being generally the least expensive alternative which may achieve remedial action objectives within a development timeframe.

As stated above, the specific project costs associated with these alternatives depend on the site redevelopment plan and timeframes, and therefore, a detailed estimate of remediation costs cannot be prepared at this time. However, we estimate that the capping cost may be between \$150,000 and \$300,000 and the groundwater remedy may be between \$200,000 and \$500,000.

At this time, the property is in a state of abandonment by the owner of record, and the City of Woonsocket is in the process of trying to identify an entity interested in redeveloping the property. Therefore, a definitive development plan or timeline for development has not been determined. Since the scope and extent of anticipated site remediation activities will ultimately be dictated by the proposed reuse scenario, a definitive remediation strategy has not been confirmed at this time. Once a reuse scenario is proposed, the preferred remedial alternative presented above will be evaluated for consistency with the foreseeable land use, and confirmed or modified as appropriate.

9 Certifications

In accordance with Section 7.05 of the *Remediation Regulations*, the certification expressed below shall apply to the SIR compiled and submitted to RIDEM by Fuss & O'Neill.

I hereby certify the completeness and accuracy of the information contained in the above-referenced documents to the best of my knowledge

| | | |
|-----------------------------------|-------------------------------|-------|
| _____ | <u>Senior Project Manager</u> | _____ |
| Signature of Fuss & O'Neill, Inc. | Title | Date |
| Patrick J. Dowling, CPG | | |

I hereby certify that the above-referenced documents are a complete and accurate representation of the contaminated site and the release, and contain all available facts surrounding the release to the best of my knowledge.

| | | |
|-------------------------------|-------|-------|
| _____ | _____ | _____ |
| Signature of Performing Party | Title | Date |

Printed Name

10References

Alliance Environmental Group, Inc., 2005, Site Investigation Report for 176 Sunnyside Avenue, prepared for CKG Development Co., Inc., June 2005

American Society for Testing and Materials, 2005, Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process: ASTM Practice E 1527-05.

Hermes, O.D, Gromet, L.P., and Murray, D.P (*compilers*) 1994, Bedrock Geologic Map of Rhode Island: Rhode Island Map Series No.1, University of Rhode Island, Kingston. scale = 1:100,000.

LFR Levine-Fricke, 2003, Phase I Environmental Site Assessment for 176 Sunnyside Avenue, prepared for Mr. Richard Kirby, September 2003.

Rhode Island Geographic Information System (RIGIS), Historic aerial photographs of Rhode Island; via <http://www.edc.uri.edu/rigis/data/imageryBaseMapsEarthCover.html>, accessed December 2010.

Rhode Island Department of Environmental Management, 2011, Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases; RIDEM, Office of Waste Management, November 2011.

Rhode Island Department of Environmental Management, 2011, State of Rhode Island 2011 303(d) List of Impaired Waters, July 2011.

Rhode Island Department of Environmental Management, 2010a, Rules and Regulations for Groundwater Quality; RIDEM, Office of Water Resources.

Rhode Island Department of Environmental Management, 2010b, Groundwater Classification & Wellhead Protection Area Maps; via <http://www.dem.ri.gov/maps/gw.htm>, accessed December 2010.

Rhode Island Department of Environmental Management, 2009, Water Quality Regulations; RIDEM, Office of Water Resources.

RIGIS, 2008. Soil Survey Geographic (SSURGO) soil polygons for State of Rhode Island, Environmental Data Center, University of Rhode Island, Kingston, Rhode Island; via <http://www.edc.uri.edu/rigis>, accessed December 2010.

United States Geological Survey, 1975 Georgiaville, Rhode Island Quadrangle, 7.5-Minute Series Topographic Map; United States Department of the Interior, U.S. Geological Survey, 1954, Photo revised 1975.

United States Geological Survey, 1982 Blackstone, Rhode Island and Massachusetts Quadrangle, 7.5-Minute Series Topographic Map; United States Department of the Interior, U.S. Geological Survey, 1982.

11 Limitations of Work Product

This document was prepared for the sole use of the Rhode Island Department of Environmental Management, the only intended beneficiaries of our work. Those who may use or rely upon the report and the services (hereafter "work product") performed by Fuss & O'Neill, Inc. and/or its subsidiaries or independent professional associates, subconsultants and subcontractors (collectively the "Consultant") expressly accept the work product upon the following specific conditions.

1. Consultant represents that it prepared the work product in accordance with the professional and industry standards prevailing at the time such services were rendered.
2. The work product may contain information that is time sensitive. The work product was prepared by Consultant subject to the particular scope limitations, budgetary and time constraints and business objectives of the Client which are detailed therein or in the contract between Consultant and Client. Changes in use, tenants, work practices, storage, Federal, state or local laws, rules or regulations may affect the work product.
3. The observations described and upon which the work product was based were made under the conditions stated therein. Any conclusions presented in the work product were based solely upon the services described therein, and not on scientific or engineering tasks or procedures beyond the scope of described services.
4. In preparing its work product, Consultant may have relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available at the time of the project. To the extent that such files which may affect the conclusions of the work product are missing, incomplete, inaccurate or not provided, Consultant is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Consultant did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this project. Consultant assumes no responsibility or liability to discover or determine any defects in such information which could result in failure to identify contamination or other defect in, at or near the site. Unless specifically stated in the work product, Consultant assumes no responsibility or liability for the accuracy of drawings and reports obtained, received or reviewed.
5. If the purpose of this project was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the work product, unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the subject site with Federal, state, or local laws and regulations, environmental or otherwise.
6. If water level readings have been made, these observations were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in water levels may occur due to variations in rainfall, passage of time and other factors and such fluctuations may effect the conclusions and recommendations presented herein.

7. Except as noted in the work product, no quantitative laboratory testing was performed as part of the project. Where such analyses have been conducted by an outside laboratory, Consultant has relied upon the data provided and, unless otherwise described in the work product, has not conducted an independent evaluation of the reliability of these tests.
8. If the conclusions and recommendations contained in the work product are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made by Consultant. If indicated in the work product, some of these data may be preliminary or screening-level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors.
9. Chemical analyses may have been performed for specific parameters during the course of this project, as described in the work product. However, it should be noted that additional chemical constituents not included in the analyses conducted for the project may be present in soil, groundwater, surface water, sediments or building materials at the subject site.
10. Ownership and property interests of all documents, including reports, electronic media, drawings and specifications, prepared or furnished by Consultant pursuant to this project are subject to the terms and conditions specified in the contract between the Consultant and Client, whether or not the project is completed.
11. Unless otherwise specifically noted in the work product or a requirement of the contract between the Consultant and Client, any reuse, modification or disbursement of documents to third parties will be at the sole risk of the third party and without liability or legal exposure to Consultant.
12. In the event that any questions arise with respect to the scope or meaning of Consultant's work product, immediately contact Consultant for clarification, explanation or to update the work product. In addition, Consultant has the right to verify, at the party's expense, the accuracy of the information contained in the work product, as deemed necessary by Consultant, based upon the passage of time or other material change in conditions since conducting the work.
13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.

Tables

**Table 6
Summary of Soil Analytical Data and Objectives
Collected June 2011 and April 2013**

Former Woonsocket Color & Chemical Site
Woonsocket, Rhode Island

Site Investigation Report/Targeted Brownfields Assessment
Prepared for RIDEM

March 2014

| Location | MW-201 | | | | | | | | | | | | | | MW-203 | | | MW-206 | | MW-207 | | MW-208 | | MW-209 | | RIDEM Regulatory Criteria | | |
|---|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-------|---------|-------|--------|--|---------------------------|--|--|
| | Sample Number | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/23/2011 | 6/23/2011 | 6/24/2011 | 6/24/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | R-DEC | I/C-DEC | GB-LC | | | | | |
| | Sample Date | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Primary | Primary | | | | | | | | |
| Sample Depth (ftg) | 0-2 | 10-15 | 10-15 | 0-3 | 10-15 | 0-2 | 10-15 | 0-2 | 10-15 | 0-2 | 10-15 | 0-2 | 10-15 | 0-2 | 10-15 | 0-2 | 10-15 | 0-2 | 10-15 | | | | | | | | | |
| Total Metals (USEPA Method 6020/6010/7471) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | mg/Kg | 2.5 | 1.7 | 2 | 2.3 | 1.2 | 1.2 | 0.91 | 2.7 | 2 | 1.8 | 1.8 | 1.7 | 1.3 | 0.96 | 7.0 | 7.0 | NE | | | | | | | | | | |
| Barium | mg/Kg | 22 | 28 | 32 | 26 | 22 | 35 | 28 | 41 | 25 | 15 | 50 | 39 | 24 | 62 | 5,500 | 10,000 | NE | | | | | | | | | | |
| Beryllium | mg/Kg | 0.22 | 0.22 | 0.2 | 0.2 | 0.13 | 0.11 | 0.088 | 0.1 | ND <0.061 | ND <0.055 | 0.21 | 0.2 | ND <0.053 | 0.15 | 1.5 | 1.5 | NE | | | | | | | | | | |
| Cadmium | mg/Kg | 2.3 | 0.37 | 0.44 | 0.55 | 0.3 | 0.35 | 0.32 | 0.36 | 0.32 | 0.35 | 0.43 | 0.41 | 0.44 | 0.69 | 39 | 1000 | NE | | | | | | | | | | |
| Chromium | mg/Kg | 6.7 | 5 | 5.6 | 8.5 | 6.8 | 5.8 | 4.9 | 5.9 | 16 | 7.2 | 7.5 | 7 | 6.7 | 13 | 390 | 10,000 | NE | | | | | | | | | | |
| Copper | mg/Kg | 9.2 | 5.5 | 5.5 | 12 | 4.3 | 6.3 | 12 | 10 | 2.8 | 6.5 | 5.7 | 5.2 | 13 | 13 | 3,100 | 10,000 | NE | | | | | | | | | | |
| Lead | mg/Kg | 52 | 1.6 | 1.8 | 10 | 2.2 | 9.2 | 2.6 | 18 | 4 | 5.6 | 2 | 1.8 | 39 | 2.3 | 150 | 500 | NE | | | | | | | | | | |
| Manganese | mg/Kg | 120 | 300 | 460 | 120 | 77 | 87 | 73 | 90 | 41 | 45 | 120 | 110 | 50 | 150 | 390 | 10,000 | NE | | | | | | | | | | |
| Mercury | mg/Kg | 0.19 | ND <0.025 | ND <0.024 | ND <0.022 | ND <0.025 | ND <0.021 | ND <0.025 | ND <0.022 | ND <0.024 | ND <0.022 | ND <0.026 | ND <0.026 | ND <0.021 | ND <0.026 | 23 | 610 | NE | | | | | | | | | | |
| Nickel | mg/Kg | 4.7 | 4.6 | 4.9 | 7.6 | 3.8 | 3.8 | 2.7 | 5.2 | 8.8 | 2.7 | 5.7 | 4.5 | 2.5 | 9.8 | 1,000 | 10,000 | NE | | | | | | | | | | |
| Vanadium | mg/Kg | 9.2 | 8.2 | 9.4 | 8.3 | 6.1 | 5.3 | 5.6 | 6.4 | 5 | 4.5 | 12 | 11 | 4.4 | 20 | 550 | 10,000 | NE | | | | | | | | | | |
| Zinc | mg/Kg | 1800 | 39 | 48 | 24 | 75 | 59 | 71 | 88 | 110 | 120 | 180 | 160 | 110 | 440 | 6,000 | 10,000 | NE | | | | | | | | | | |
| PCB Aroclors (USEPA Method 8082) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total PCB Aroclors | µg/Kg | ND <370 | ND <17 | ND <16 | ND <15 | ND <16 | ND <700 | ND <82 | ND <1400 | ND <41 | ND <140 | ND <87 | ND <170 | ND <140 | ND <18 | 10,000 | 10,000 | 10,000 | | | | | | | | | | |
| TPH (USEPA Method 8100) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C6-C12 Light Petroleum Distillate | mg/Kg | ND <22 | ND <24 | ND <24 | ND <22 | ND <25 | ND <10 | 6,200 | ND <21 | ND <12 | ND <11 | 2,800 | 2,900 | ND <10 | ND <13 | NE | NE | NE | | | | | | | | | | |
| C10-C28 Medium Petroleum Distillate | mg/Kg | ND <22 | ND <24 | ND <24 | ND <22 | ND <25 | ND <10 | 2,700 | ND <21 | ND <12 | ND <11 | 1,100 | 920 | ND <10 | ND <13 | NE | NE | NE | | | | | | | | | | |
| C16-C36 Heavy Petroleum Distillate | mg/Kg | 120 | ND <24 | ND <24 | 94 | ND <25 | 200 | ND <120 | 130 | ND <12 | 42 | ND <52 | ND <51 | 25 | ND <13 | NE | NE | NE | | | | | | | | | | |
| Total Petroleum Hydrocarbons | mg/Kg | 120 | ND <24 | ND <24 | 94 | ND <25 | 200 | 9,000 | 130 | ND <12 | 42 | 3,900 | 3,800 | 25 | ND <13 | 500 | 2,500 | 2,500 | | | | | | | | | | |
| VOC (USEPA Method 8260) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | ND <140 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | 7.5 | NE | NE | NE | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | ND <140 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | 7.1 | 96,000 | 10,000,000 | NE | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 120,000 | ND <5.2 | ND <5.2 | ND <5.0 | 190,000 | 220,000 | ND <5.6 | 80 | NE | NE | NE | | | | | | | | | | |
| 1,2-Dichlorobenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | ND <140 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | 12 | 510,000 | 10,000,000 | NE | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 53,000 | ND <5.2 | ND <5.2 | ND <5.0 | 78,000 | 81,000 | ND <5.6 | ND <5.6 | NE | NE | NE | | | | | | | | | | |
| 2-Butanone (Methyl Ethyl Ketone) | µg/Kg | ND <9.5 | ND <320 | ND <330 | ND <13 | ND <10 | ND <10 | ND <1,400 | ND <10 | ND <10 | ND <10 | ND <3,300 | ND <2,800 | ND <11 | 23 | 10,000,000 | 10,000,000 | NE | | | | | | | | | | |
| Acetone | µg/Kg | ND <9.5 | ND <320 | ND <330 | ND <13 | ND <10 | ND <10 | ND <1,400 | 27 | ND <10 | 40 | ND <3,300 | ND <2,800 | ND <11 | 100 | 7,800,000 | 10,000,000 | NE | | | | | | | | | | |
| Benzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 320 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | ND <5.6 | 2,500 | 200,000 | 4,300 | | | | | | | | | | |
| Carbon Disulfide | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | ND <140 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | 89 | NE | NE | NE | | | | | | | | | | |
| Ethylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 630,000 | ND <5.2 | ND <5.2 | ND <5.0 | 90,000 | 140,000 | ND <5.6 | 19 | 71,000 | 10,000,000 | 62,000 | | | | | | | | | | |
| Isopropylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 20,000 | ND <5.2 | ND <5.2 | ND <5.0 | 12,000 | 15,000 | ND <5.6 | ND <5.6 | 27,000 | 10,000,000 | NE | | | | | | | | | | |
| Naphthalene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 12,000 | ND <5.2 | ND <5.2 | ND <5.0 | 12,000 | 13,000 | ND <5.6 | 5.7 | 54,000 | 10,000,000 | NE | | | | | | | | | | |
| n-Butylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 5,500 | ND <5.2 | ND <5.2 | ND <5.0 | 9,100 | ND <280 | ND <5.6 | 12 | NE | NE | NE | | | | | | | | | | |
| n-Propylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 20,000 | ND <5.2 | ND <5.2 | ND <5.0 | 18,000 | 21,000 | ND <5.6 | 6.4 | NE | NE | NE | | | | | | | | | | |
| m-P-xylenes | µg/Kg | ND <9.5 | ND <63 | ND <65 | ND <13 | ND <10 | ND <10 | 1,900,000 | ND <10 | ND <10 | ND <10 | 350,000 | 440,000 | ND <11 | ND <11 | NE | NE | NE | | | | | | | | | | |
| o-Xylene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 680,000 | ND <5.2 | ND <5.2 | ND <5.0 | 150,000 | 200,000 | ND <5.6 | 43 | NE | NE | NE | | | | | | | | | | |
| Total Xylenes | µg/Kg | ND <9.5 | ND <63 | ND <65 | ND <13 | ND <10 | ND <10 | 2,600,000 | ND <10 | ND <10 | ND <10 | 500,000 | 640,000 | ND <11 | 43 | 110,000 | 10,000,000 | NE | | | | | | | | | | |
| p-Isopropyltoluene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 7,500 | ND <5.2 | ND <5.2 | ND <5.0 | 44,000 | 42,000 | ND <5.6 | 120 | NE | NE | NE | | | | | | | | | | |
| sec-Butylbenzene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 5,300 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | 10 | NE | NE | NE | | | | | | | | | | |
| Toluene | µg/Kg | ND <4.7 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | 32,000 | ND <5.2 | ND <5.2 | ND <5.0 | 1,600 | 2,200 | ND <5.6 | ND <5.6 | 190,000 | 10,000,000 | 54,000 | | | | | | | | | | |
| Trichloroethene | µg/Kg | 50 | ND <32 | ND <33 | ND <6.7 | ND <5.0 | ND <5.1 | ND <140 | ND <5.2 | ND <5.2 | ND <5.0 | ND <330 | ND <280 | ND <5.6 | ND <5.6 | 13,000 | 520,000 | 20,000 | | | | | | | | | | |
| Total BTEX ^{1/1} | µg/Kg | ND <9.5 | ND <63 | ND <65 | ND <13 | ND <10 | ND <10 | 3,200,000 | ND <10 | ND <10 | ND <10 | 590,000 | 780,000 | ND <11 | 62 | NE | NE | NE | | | | | | | | | | |
| SVOC (USEPA Method 8270) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anthracene | µg/Kg | ND <370 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | ND <360 | ND <200 | ND <180 | ND <86 | ND <170 | ND <180 | ND <220 | 35,000 | 10,000,000 | NE | | | | | | | | | | |
| Benzo(a)anthracene | µg/Kg | ND <370 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | ND <360 | ND <200 | 290 | ND <86 | ND <170 | ND <180 | ND <220 | 900 | 7,800 | NE | | | | | | | | | | |
| Benzo(a)pyrene | µg/Kg | ND <370 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | ND <360 | ND <200 | 300 | ND <86 | ND <170 | ND <180 | ND <220 | 400 | 800 | NE | | | | | | | | | | |
| Benzo(b)fluoranthene | µg/Kg | 470 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | 470 | ND <200 | 430 | ND <86 | ND <170 | 250 | ND <220 | 900 | 7,800 | NE | | | | | | | | | | |
| Benzo(ghi)perylene | µg/Kg | ND <370 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | ND <360 | ND <200 | ND <180 | ND <86 | ND <170 | ND <180 | ND <220 | 800 | 10,000,000 | NE | | | | | | | | | | |
| Benzo(k)fluoranthene | µg/Kg | ND <370 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | ND <360 | ND <200 | 190 | ND <86 | ND <170 | ND <180 | ND <220 | 900 | 7,800 | NE | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | µg/Kg | ND <370 | ND <210 | ND <200 | ND <370 | ND <410 | ND <70 | ND <160 | ND <360 | ND <200 | ND <180 | ND <86 | ND <170 | ND | | | | | | | | | | | | | | |

Table 6 (Continued)
Summary of Soil Analytical Data and Objectives
Collected June 2011 and April 2013

Former Woonsocket Color & Chemical Site
Woonsocket, Rhode Island

Site Investigation Report/Targeted Brownfields Assessment
Prepared for RIDEM

March 2014

| Location | MW-210 | | MW-213 | | MW-214 | | SB-202 | | SB-204 | | SB-205 | | SB-211 | | SB-212 | | RIDEM Regulatory Criteria | | | |
|---|---------------|--------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|------------|---------------------------|------------|------------|--------|
| | Sample Number | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/23/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | 6/24/2011 | R-DEC | IC-DEC | GB-LC |
| | Sample Date | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | | | |
| Sample Type | 0-2 | 10-14 | 0-2 | 30-34 | 0-2 | 30-34 | 0-2 | 10-15 | 0-2 | 15-19.5 | 0-2 | 15-17 | 0-2 | 19-20 | 0-2 | 5-10 | | | | |
| Sample Depth (fbg) | | | | | | | | | | | | | | | | | | | | |
| Total Metals (USEPA Method 6020/6010/7471) | Units | | | | | | | | | | | | | | | | | | | |
| Arsenic | mg/Kg | 1.9 | 2.6 | 2.0 | 0.8 | 16 | 0.85 | 2.0 | 1.8 | 1.1 | 1.0 | 3.2 | 1.5 | 2.2 | 2.2 | 2.0 | 0.86 | 7.0 | 7.0 | NE |
| Barium | mg/Kg | 100 | 27 | 11 | 46 | 35 | 40 | 16 | 57 | 15 | 41 | 46 | 35 | 65 | 45 | 31 | 16 | 5,500 | 10,000 | NE |
| Beryllium | mg/Kg | 0.10 | 0.091 | ND <0.052 | 0.14 | 0.16 | 0.17 | 0.066 | 0.28 | 0.061 | 0.22 | 0.12 | 0.24 | 0.081 | 0.16 | 0.20 | ND <0.055 | 1.5 | 1.5 | NE |
| Cadmium | mg/Kg | 0.66 | 0.35 | 0.15 | 0.58 | 0.44 | 0.36 | 0.2 | 0.55 | 0.19 | 0.45 | 0.31 | 0.39 | 0.61 | 0.44 | 0.41 | 0.51 | 39 | 1000 | NE |
| Chromium | mg/Kg | 10 | 4.9 | 2.3 | 10 | 10 | 9.4 | 2.5 | 8.4 | 2.6 | 6.5 | 7.5 | 7.8 | 18 | 4.9 | 11 | 7.8 | 390 | 10,000 | NE |
| Copper | mg/Kg | 16 | 3.6 | 10 | 13 | 13 | 4.3 | 3.5 | 5.9 | 3.8 | 12 | 9.9 | 5.6 | 17 | 3.2 | 13 | 15 | 3,100 | 10,000 | NE |
| Lead | mg/Kg | 56 | 2.0 | 3.0 | 1.4 | 52 | 1.6 | 5.8 | 2.5 | 2.7 | 2.4 | 9.8 | 1.9 | 48 | 3.0 | 9.3 | 9.5 | 150 | 500 | NE |
| Manganese | mg/Kg | 89 | 67 | 41 | 180 | 66 | 130 | 72 | 230 | 79 | 240 | 90 | 100 | 76 | 70 | 100 | 35 | 390 | 10,000 | NE |
| Mercury | mg/Kg | 0.031 | ND <0.025 | ND <0.021 | ND <0.024 | 0.094 | ND <0.025 | ND <0.021 | ND <0.027 | ND <0.021 | ND <0.025 | ND <0.022 | ND <0.027 | 0.033 | ND <0.025 | ND <0.022 | ND <0.022 | 23 | 610 | NE |
| Nickel | mg/Kg | 5.1 | 2.4 | 2.0 | 9.5 | 6.4 | 4.1 | 2.2 | 6.4 | 2.5 | 6.1 | 6.9 | 4.5 | 5.0 | 14 | 17 | 2.3 | 1,000 | 10,000 | NE |
| Vanadium | mg/Kg | 8.2 | 8.7 | 3.5 | 17 | 21 | 9.2 | 4.1 | 13 | 4.3 | 12 | 6.9 | 8.7 | 8.2 | 8.2 | 9.5 | 2.9 | 550 | 10,000 | NE |
| Zinc | mg/Kg | 130 | 20 | 9.3 | 81 | 40 | 22 | 20 | 28 | 19 | 27 | 59 | 50 | 210 | 150 | 41 | 57 | 6,000 | 10,000 | NE |
| PCB Aroclors (USEPA Method 8082) | | | | | | | | | | | | | | | | | | | | |
| Total PCB Aroclors | µg/Kg | ND < 2,900 | ND <160 | ND <14 | ND <16 | ND <16 | ND <16 | ND <71 | ND <18 | ND <36 | ND <17 | ND <1400 | ND <18 | ND < 3,600 | ND <17 | ND < 3,600 | ND <36 | 10,000 | 10,000 | 10,000 |
| TPH (USEPA Method 8100) | | | | | | | | | | | | | | | | | | | | |
| C6-C12 Light Petroleum Distillate | mg/Kg | ND <11 | 14,000 | ND <10 | ND <12 | ND <12 | ND <12 | ND <21 | ND <26 | ND <21 | ND <25 | ND <22 | ND <14 | ND <43 | ND <25 | ND <22 | ND <22 | NE | NE | NE |
| C10-C28 Medium Petroleum Distillate | mg/Kg | ND <11 | 2,300 | ND <10 | ND <12 | ND <12 | ND <12 | ND <21 | ND <26 | ND <21 | ND <25 | ND <22 | ND <14 | ND <43 | ND <25 | ND <22 | ND <22 | NE | NE | NE |
| C16-C36 Heavy Petroleum Distillate | mg/Kg | 220 | ND <300 | ND <10 | ND <12 | 70 | ND <12 | 24 | ND <26 | ND <21 | ND <25 | 38 | ND <14 | 1,300 | ND <25 | 80 | 180 | NE | NE | NE |
| Total Petroleum Hydrocarbons | mg/Kg | 220 | 16,000 | ND <10 | ND <12 | 70 | ND <12 | 24 | ND <26 | ND <21 | ND <25 | 38 | ND <14 | 1,300 | ND <25 | 80 | 180 | 500 | 2,500 | 2,500 |
| VOC (USEPA Method 8260) | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| 1,2,4-Trichlorobenzene | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 96,000 | 10,000,000 | NE |
| 1,2,4-Trimethylbenzene | µg/Kg | ND <5.0 | 360,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| 1,2-Dichlorobenzene | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 510,000 | 10,000,000 | NE |
| 1,3,5-Trimethylbenzene | µg/Kg | ND <5.0 | 180,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| 2-Butanone (Methyl Ethyl Ketone) | µg/Kg | ND <10.0 | ND <2,600 | ND <11 | 16 | ND <12 | ND <9.8 | ND <11 | ND <10 | ND <10 | ND <11 | ND <13 | ND <12 | ND <10 | 69 | ND <11 | ND <6.70 | 10,000,000 | 10,000,000 | NE |
| Acetone | µg/Kg | ND <10.0 | ND <2,600 | ND <11 | 99 | ND <12 | ND <9.8 | ND <11 | ND <10 | ND <10 | ND <11 | ND <13 | ND <12 | 130 | ND <6.40 | ND <11 | ND <6.70 | 7,800,000 | 10,000,000 | NE |
| Benzene | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 2,500 | 200,000 | 4,300 |
| Carbon Disulfide | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | 13 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | 11 | ND <5.5 | ND <6.7 | NE | NE | NE |
| Ethylbenzene | µg/Kg | ND <5.0 | 40,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 71,000 | 10,000,000 | 62,000 |
| Isopropylbenzene | µg/Kg | ND <5.0 | 12,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 27,000 | 10,000,000 | NE |
| Naphthalene | µg/Kg | 14 | 21,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 54,000 | 10,000,000 | NE |
| n-Butylbenzene | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| n-Propylbenzene | µg/Kg | ND <5.0 | 34,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| m-P-xylenes | µg/Kg | ND <10 | 170,000 | ND <11 | ND <9.9 | ND <12 | ND <9.8 | ND <11 | ND <10 | ND <10 | ND <11 | ND <13 | ND <12 | ND <10 | 950 | ND <11 | ND <6.7 | 27,000 | 10,000,000 | NE |
| o-Xylene | µg/Kg | ND <5.0 | 68,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| Total Xylenes | µg/Kg | ND <10 | 240,000 | ND <11 | ND <9.9 | ND <12 | ND <9.8 | ND <11 | ND <10 | ND <10 | ND <11 | ND <13 | ND <12 | ND <10 | 1,300 | ND <11 | ND <6.7 | 110,000 | 10,000,000 | NE |
| p-Isopropyltoluene | µg/Kg | ND <5.0 | 74,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| sec-Butylbenzene | µg/Kg | ND <5.0 | 19,000 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | NE | NE | NE |
| Toluene | µg/Kg | ND <5.0 | 2,200 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 190,000 | 10,000,000 | 54,000 |
| Trichloroethene | µg/Kg | ND <5.0 | ND <260 | ND <5.5 | ND <5.0 | ND <5.8 | ND <4.9 | ND <5.4 | ND <5.2 | ND <5.2 | ND <5.6 | ND <6.6 | ND <6.0 | ND <5.0 | ND <6.4 | ND <5.5 | ND <6.7 | 13,000 | 520,000 | 20,000 |
| Total BTEX ¹¹ | µg/Kg | ND <10 | 280,000 | ND <11 | ND <9.9 | ND <12 | ND <9.8 | ND <11 | ND <10 | ND <10 | ND <11 | ND <13 | ND <12 | ND <10 | 1,600 | ND <11 | ND <6.7 | NE | NE | NE |
| SVOC (USEPA Method 8270) | | | | | | | | | | | | | | | | | | | | |
| Anthracene | µg/Kg | 260 | ND <82 | ND <170 | ND <200 | ND <200 | ND <210 | ND <350 | ND <220 | ND <180 | ND <210 | ND <180 | ND <230 | 860 | ND <210 | ND <360 | ND <360 | 35,000 | 10,000,000 | NE |
| Benzo(a)anthracene | µg/Kg | 1,100 | ND <82 | ND <170 | ND <200 | 200 | ND <210 | ND <350 | ND <220 | ND <180 | ND <210 | ND <180 | ND <230 | 3,600 | ND <210 | ND <360 | ND <360 | 900 | 7,800 | NE |
| Benzo(a)pyrene | µg/Kg | 1,200 | ND <82 | ND <170 | ND <200 | 230 | ND <210 | ND <350 | ND <220 | ND <180 | ND <210 | ND <180 | ND <230 | 4,200 | ND <210 | ND <360 | ND <360 | 400 | 800 | NE |
| Benzo(b)fluoranthene | µg/Kg | 1,600 | ND <82 | ND <170 | ND <200 | 360 | ND <210 | ND <350 | ND <220 | ND <180 | ND <210 | ND <180 | ND <230 | 6,100 | ND <210 | ND <360 | ND <360 | 900 | 7,800 | NE |
| Benzo(ghi)perylene | µg/Kg | 520 | ND <82 | ND <170 | ND <200 | ND <200 | ND <210 | ND <350 | ND <220 | ND <180 | ND <210 | ND <180 | ND <230 | 2,400 | ND <210 | ND <360 | ND <360 | 800 | 10,000,000 | NE |
| Benzo(k)fluoranthene | µg/Kg | 710 | ND <82 | ND <170 | ND <200 | ND <200 | ND <210 | ND <350 | ND <220 | ND <180 | ND <210 | ND <180 | ND <230 | 2,200 | ND <210 | ND <360 | ND <360 | 900 | | |

Table 6 (Continued)
Summary of Soil Analytical Data and Objectives
Collected June 2011 and April 2013

Former Woonsocket Color & Chemical Site
 Woonsocket, Rhode Island

Site Investigation Report/Targeted Brownfields Assessment
 Prepared for RIDEM

March 2014

| Location | SB-301 | | MW-302 | | MW-303 | | MW-304 | | MW-305 | | MW-306 | | MW-307 | | MW-308 | | MW-309 | | MW-310 | | MW-311 | | SB-312 | | RIDEM Regulatory Criteria | | | |
|-------------------------------------|---------------|-----------|-------------|------------|------------|------------|--------------|------------|-----------|-------------|------------|------------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|-----------|-----------|------------|---------------------------|-----------|-------|---------|
| | Sample Number | 0426-01 | 0426-02 | 0426-04 | 0426-06 | 0426-07 | 0426-08 | 0426-09 | 0426-10 | 0426-12 | 0426-13 | 0426-14 | 0429-17 | 0429-18 | 0429-19 | 0429-20 | 0429-21 | 0429-22 | 0429-23 | 0429-24 | 0429-25 | 0429-26 | 0429-27 | | | | | |
| | Sample Date | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/26/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | 4/29/2013 | R-DEC | I/C-DEC |
| Sample Type | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Primary | | | | |
| Sample Depth (fbg) | 0-5 | 5-10 | 6-10 | 6-10 | 6-10 | 1-5 | 13-15 | 0-5 | 11-14 | 0-5 | 11-13 | 5-10 | 12-15 | 5-10 | 10-15 | 5-10 | 10-15 | 5-10 | 12-15 | 12-14 | 15-18 | 21-23 | 10-15 | 15-20 | | | | |
| TPH (USEPA Method 8100) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C6-C12 Light Petroleum Distillate | mg/Kg | ND < 11 | ND < 50 | ND < 13 | ND < 130 | ND < 310 | ND < 11 | ND < 13 | ND < 11 | ND < 14 | ND < 11 | ND < 14 | ND < 13 | ND < 14 | ND < 12 | ND < 14 | ND < 13 | ND < 10 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | NE | NE | NE |
| C10-C28 Medium Petroleum Distillate | mg/Kg | 200 | 2,600 | ND < 13 | 9,600 | 28,000 | 460 | ND < 13 | ND < 11 | 59 | 700 | 150 | ND < 13 | ND < 14 | 43 | 55 | ND < 13 | 84 | ND < 13 | ND < 13 | 14 | ND < 13 | ND < 13 | ND < 13 | NE | NE | NE | |
| C16-C36 Heavy Petroleum Distillate | mg/Kg | 230 | ND < 50 | ND < 13 | ND < 130 | ND < 310 | 430 | ND < 13 | 20 | ND < 14 | 210 | ND < 14 | ND < 13 | ND < 14 | ND < 12 | ND < 14 | ND < 13 | ND < 10 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | ND < 13 | NE | NE | NE | |
| Total Petroleum Hydrocarbons | mg/Kg | 430 | 2,600 | ND < 13 | 9,600 | 28,000 | 900 | ND < 13 | 20 | 59 | 910 | 150 | ND < 13 | ND < 14 | 43 | 55 | ND < 13 | 84 | ND < 13 | ND < 13 | 14 | ND < 13 | ND < 13 | 500 | 2,500 | 2,500 | | |
| VOC (USEPA Method 8260) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | 300,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | 490 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | |
| 1,2,4-Trichlorobenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | 1,700,000 | 550 | ND < 5.2 | ND < 4,300 | 14 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | 700 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | 7.2 | ND < 5.5 | 96,000 | 10,000,000 | NE | | |
| 1,2,4-Trimethylbenzene | µg/Kg | ND < 4.8 | 5,000 | ND < 340 | 2,100 | 2,800 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | 33,000 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | 1,300 | ND < 5.5 | 620 | 510 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | | |
| 1,2-Dichlorobenzene | µg/Kg | ND < 4.8 | 8,100 | ND < 340 | 2,700 | ND < 1,500 | 65,000 | ND < 410 | ND < 5.2 | ND < 1,700 | ND < 4,300 | 8.1 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | 8.1 | ND < 5.5 | 510,000 | 10,000,000 | NE | | |
| 1,4-Dichlorobenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | 9.1 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | 27,000 | 240,000 | NE | | |
| 1,3,5-Trimethylbenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | 2,300 | 2,400 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | 17,000 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | |
| 2-Butanone (Methyl Ethyl Ketone) | µg/Kg | ND < 9.7 | ND < 6,900 | ND < 680 | ND < 740 | ND < 2,900 | ND < 51,000 | ND < 820 | ND < 10 | ND < 8,700 | ND < 11 | ND < 3,400 | ND < 740 | ND < 12 | ND < 730 | ND < 810 | ND < 11 | ND < 890 | ND < 11 | ND < 730 | ND < 660 | 19 | ND < 11 | 10,000,000 | 10,000,000 | NE | | |
| 2-Chlorotoluene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | 2,600 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | 350 | 130 | NE | NE | NE | | |
| 4-Chlorotoluene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | 9.0 | 9.4 | NE | NE | NE | | |
| Acetone | µg/Kg | 30 | ND < 14,000 | ND < 1,400 | ND < 1,500 | ND < 5,800 | ND < 100,000 | ND < 1,600 | 12 | ND < 17,000 | 28 | ND < 6,800 | ND < 1,500 | 16 | ND < 1,500 | ND < 1,600 | ND < 11 | ND < 1,800 | ND < 11 | ND < 1,400 | ND < 1,300 | 57 | 17 | 7,800,000 | 10,000,000 | NE | | |
| Benzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | 2,500 | 200,000 | 4,300 | | |
| Carbon Disulfide | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | 450 | ND < 5.8 | ND < 5.5 | NE | NE | NE | |
| Ethylbenzene | µg/Kg | 6.4 | 28,000 | 5,300 | 99,000 | 120,000 | ND < 26,000 | ND < 410 | 5.8 | 30,000 | 12 | 230,000 | 1,600 | 6.6 | 2,600 | 3,300 | 5.8 | 4,800 | ND < 5.5 | 3,900 | 4,300 | 6.8 | 6.6 | 71,000 | 10,000,000 | 62,000 | | |
| Isopropylbenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | 13,000 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | 27,000 | 10,000,000 | NE | | |
| Naphthalene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | 3,200 | 3,100 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | 5,100 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | 140 | 26 | 54,000 | 10,000,000 | NE | | |
| n-Butylbenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | |
| n-Propylbenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | 460 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | 7,300 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | |
| m-P-xylenes | µg/Kg | 21 | 95,000 | 18,000 | 220,000 | 290,000 | ND < 51,000 | ND < 820 | 18 | 75,000 | 38 | 610,000 | 6,300 | 19 | 6,600 | 9,600 | 17 | 10,000 | ND < 11 | 3,800 | 9,600 | 19 | 19 | NE | NE | NE | | |
| o-Xylene | µg/Kg | 5.3 | 30,000 | 4,100 | 89,000 | 110,000 | ND < 26,000 | ND < 410 | 5.8 | 27,000 | 16 | 280,000 | 1,400 | 2,000 | 3,200 | ND < 5.4 | 6,000 | ND < 5.5 | 2,700 | 4,800 | 6.9 | 5.6 | NE | NE | NE | | | |
| Total Xylenes | µg/Kg | 27 | 130,000 | 22,000 | 310,000 | 400,000 | ND < 51,000 | ND < 820 | 24 | 100,000 | 54 | 890,000 | 7,700 | 19 | 8,600 | 13,000 | 17 | 16,000 | ND < 11 | 6,500 | 14,000 | 26 | 25 | 110,000 | 10,000,000 | NE | | |
| p-Isopropyltoluene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | |
| sec-Butylbenzene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | NE | NE | NE | | |
| Toluene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | 19,000 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | 380 | 15 | 190,000 | 10,000,000 | 54,000 | | | |
| Trichloroethene | µg/Kg | ND < 4.8 | ND < 3,400 | ND < 340 | ND < 370 | ND < 1,500 | ND < 26,000 | ND < 410 | ND < 5.2 | ND < 4,300 | ND < 5.4 | ND < 1,700 | ND < 370 | ND < 6.2 | ND < 370 | ND < 400 | ND < 5.4 | ND < 450 | ND < 5.5 | ND < 360 | ND < 330 | ND < 5.8 | ND < 5.5 | 13,000 | 520,000 | 20,000 | | |
| Total BTEX ^{II} | µg/Kg | 33 | 150,000 | 27,000 | 410,000 | 520,000 | ND < 51,000 | ND < 410 | 30 | 130,000 | 66 | 1,100,000 | 9,300 | 26 | 11,000 | 16,000 | 23 | 21,000 | ND < 11 | 10,000 | 19,000 | 33 | 46 | NE | NE | NE | | |

NOTES
 RIDEM: Rhode Island Department of Environmental Management
 USEPA: United States Environmental Protection Agency
 SB: soil boring
 MW: monitoring well
 R-DEC: Method 1 Residential Direct Exposure Criteria
 I/C-DEC: Method 1 Industrial/Commercial Direct Exposure Criteria
 GB-LC: Method 1 GB Leachability Criteria
 PCB: polychlorinated biphenyls
 VOC: volatile organic compounds
 SVOC: semi-volatile organic compounds

TPH: total petroleum hydrocarbons
 Total Petroleum Hydrocarbons is the sum of quantified hydrocarbon fractions
 ND < X: reported concentration below laboratory reporting limit X
 NE: not established
 mg/Kg: milligrams per kilogram
 µg/Kg: micrograms per kilogram
 fbg: feet below grade
 Only the last 6 digits of the sample numbers are listed.
Bold and italicized values indicate that reporting limits exceed regulatory criteria
Bold and shaded values exceed one or more regulatory criteria.

Created by: SAH
 Reviewed by: DCL

Table 7
Summary of Groundwater Elevations

Former Woonsocket Color & Chemical Site
Woonsocket, Rhode Island

Site Investigation Report/Targeted Brownfields Assessment
Prepared for RIDEM

March 2014

| Location | Well Casing Elevation ^[1] | Measured July 1, 2011 | | Measured May 8, 2013 | |
|----------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|
| | | Depth to Groundwater ^[2] | Groundwater Elevation ^[1] | Depth to Groundwater ^[2] | Groundwater Elevation ^[1] |
| MW-2 | 97.75 | 12.45 | 85.30 | 12.05 | 85.70 |
| MW-7 | 97.03 | 13.05 | 83.98 | --- | --- |
| MW-201 | 96.78 | 10.98 | 85.80 | 11.06 | 85.72 |
| MW-203 | 98.45 | 13.71 | 84.74 | 13.44 | 85.01 |
| MW-206 | 97.04 | 13.32 | 83.72 | 12.82 | 84.22 |
| MW-207 | 98.85 | 15.10 | 83.75 | 14.62 | 84.23 |
| MW-208 | 97.13 | 15.70 | 81.43 | 15.19 | 81.94 |
| MW-209 | 96.57 | 19.56 | 77.01 | 18.94 | 77.63 |
| MW-210 | 96.85 | 14.31 | 82.54 | 13.75 | 83.10 |
| MW-213 | 96.33 | 31.90 | 64.43 | 31.38 | 64.95 |
| MW-214 | 96.14 | 34.20 | 61.94 | 32.00 | 64.14 |
| MW-302 | 93.23 | --- | --- | 8.14 | 85.09 |
| MW-303 | 93.21 | --- | --- | 7.99 | 85.22 |
| MW-304 | 91.40 | --- | --- | 13.55 | 77.85 |
| MW-305 | 91.97 | --- | --- | 10.58 | 81.39 |
| MW-306 | 92.17 | --- | --- | 7.59 | 84.58 |
| MW-307 | 92.45 | --- | --- | 8.12 | 84.33 |
| MW-308 | 91.65 | --- | --- | 7.68 | 83.97 |
| MW-309 | 91.32 | --- | --- | 9.73 | 81.59 |
| MW-310 | 90.65 | --- | --- | 13.78 | 76.87 |
| MW-311 | 89.70 | --- | --- | 20.55 | 69.15 |

NOTES

MW: monitoring well

PVC: polyvinyl chloride

All elevations and depths listed are in feet.

Fuss & O'Neill was unable to locate monitoring well MW-7 in May 2013.

[1] Well elevations and associated groundwater elevations are based on an elevation survey conducted by Fuss & O'Neill on July 1, 2011 and May 1, 2013. Casing elevations are relative to an assumed datum of 100.00 feet at the top of the steel standpipe of well MW-203.

[2] Depth to groundwater was measured from the highest point of the PVC well casing, prior to purging and sampling. Monitoring wells MW-201 through MW-214 were completed with locking standpipes, while the remaining monitoring wells were installed flush with the ground surface.

Created by: SAH

Reviewed by: DCL

Table 8
Summary of Groundwater Analytical Data and Objectives
Collected July 2011 and May 2013

Former Woonsocket Color & Chemical Site
Woonsocket, Rhode Island

Site Investigation Report/Targeted Brownfields Assessment
Prepared for RIDEM

March 2014

| Location | MW-2 | MW-7 | MW-201 | MW-203 | | MW-206 | | MW-207 | | MW-208 | | MW-209 | | MW-210 | | MW-213 | MW-214 | RIDEM Regulatory Criteria | | | | |
|--|---------------|--------------|--------------|--------------------|--------------|---------------|-------------|--------------|--------------------|--------------|---------------|--------------|-------------|--------------------|----------|---------------|--------------|---------------------------|----------|-------------|--------------------|-------|
| | 0701-05 | 0701-10 | 0701-01 | 0701-02 | 0701-03 | 0701-04 | 0510-15 | 0701-06 | 0510-13 | 0701-09 | 0510-16 | 0701-11 | 0510-17 | 0701-07 | 0510-14 | 0701-08 | 0701-12 | GB-GO | UCL | | | |
| | Sample Number | Sample Date | Sample Type | Sample Depth (fbg) | Units | Sample Number | Sample Date | Sample Type | Sample Depth (fbg) | Units | Sample Number | Sample Date | Sample Type | Sample Depth (fbg) | Units | Sample Number | Sample Date | | | Sample Type | Sample Depth (fbg) | Units |
| Field Measurements | | | | | | | | | | | | | | | | | | | | | | |
| pH | 6.62 | 6.72 | 6.32 | 6.71 | | 6.65 | 6.40 | 6.22 | 5.50 | 6.41 | 6.10 | 6.54 | 6.16 | 6.37 | 5.98 | 6.92 | NM | NE | NE | | | |
| Specific Conductance | 815 | 322 | 2,058 | 884 | | 481 | 522 | 139 | 165 | 370 | 392 | 381 | 335 | 405 | 430 | 1096 | NM | NE | NE | | | |
| Temperature | 14.6 | 15.3 | 13.4 | 11.7 | | 13.1 | 12.0 | 14.7 | 12.0 | 13.8 | 12.0 | 12.2 | 12.6 | 13.2 | 11.3 | 12.7 | NM | NE | NE | | | |
| Turbidity | >1000 | 298 | 31.8 | >1000 | | 52.6 | 78 | >1000 | >1000 | >1000 | 158 | 8.31 | 33 | >1000 | 50 | NM | NM | NE | NE | | | |
| Dissolved Oxygen | 8.38 | 2.67 | 3.09 | 1.04 | | 0.65 | 0.66 | 1.27 | 1.47 | 1.69 | 0.99 | 0.66 | 0.95 | 5.73 | 0.42 | 5.73 | NM | NE | NE | | | |
| ORP | 106 | 53 | 20 | -73 | | -104 | -108 | 72 | 147 | -12 | -67 | -53 | -52 | -64 | -87 | 14 | NM | NE | NE | | | |
| Total Metals (USEPA Method 6010/7470) | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.015 | 0.083 | ND < 0.0050 | 0.015 | 0.013 | 0.012 | --- | 0.018 | --- | 0.018 | --- | ND < 0.0050 | --- | 0.0095 | --- | 0.011 | 0.021 | NE | NE | | | |
| Barium | 0.90 | 0.11 | 0.19 | 0.045 | 0.38 | 0.54 | --- | 0.38 | --- | 1.5 | --- | 0.037 | --- | 0.38 | --- | 0.24 | 4.2 | NE | NE | | | |
| Beryllium | 0.0018 | ND < 0.0010 | ND < 0.0010 | ND < 0.0010 | ND < 0.0010 | ND < 0.0010 | --- | ND < 0.0010 | --- | 0.0025 | --- | ND < 0.0010 | --- | 0.0014 | --- | ND < 0.0010 | 0.0056 | NE | NE | | | |
| Cadmium | 0.0044 | ND < 0.0020 | 0.0026 | ND < 0.0020 | ND < 0.0020 | ND < 0.0020 | --- | 0.0031 | --- | 0.046 | --- | ND < 0.0020 | --- | 0.0056 | --- | 0.0022 | 0.0085 | NE | NE | | | |
| Chromium | 0.075 | 0.0074 | ND < 0.0020 | 0.020 | 0.018 | 0.040 | --- | 0.090 | --- | 0.12 | --- | 0.0046 | --- | 0.053 | --- | 0.091 | 0.093 | NE | NE | | | |
| Copper | 0.075 | 0.018 | ND < 0.0020 | 0.017 | 0.014 | 0.010 | --- | 0.075 | --- | 0.22 | --- | 0.015 | --- | 0.033 | --- | 0.042 | 0.12 | NE | NE | | | |
| Lead | 0.022 | 0.012 | ND < 0.0020 | 0.012 | 0.014 | 0.015 | --- | 0.023 | --- | 0.043 | --- | ND < 0.0020 | --- | 0.013 | --- | 0.0062 | 0.052 | NE | NE | | | |
| Manganese | 2.0 | 0.072 | 1.3 | 0.45 | 0.42 | 0.86 | --- | 0.88 | --- | 2.8 | --- | 0.32 | --- | 1.1 | --- | 3.3 | 9.8 | NE | NE | | | |
| Mercury | ND < 0.00020 | ND < 0.00020 | ND < 0.00020 | ND < 0.00020 | ND < 0.00020 | ND < 0.00020 | --- | ND < 0.00020 | --- | ND < 0.00020 | --- | ND < 0.00020 | --- | ND < 0.00020 | --- | ND < 0.00020 | ND < 0.00020 | NE | NE | | | |
| Nickel | 0.048 | 0.21 | 0.0052 | 0.014 | 0.012 | 0.028 | --- | 0.88 | --- | 0.11 | --- | 0.015 | --- | 0.028 | --- | 0.021 | 0.085 | NE | NE | | | |
| Selenium | ND < 0.0050 | ND < 0.0050 | 0.0071 | ND < 0.0050 | ND < 0.0050 | ND < 0.0050 | --- | ND < 0.0050 | --- | ND < 0.0050 | --- | ND < 0.0050 | --- | ND < 0.0050 | --- | ND < 0.0050 | ND < 0.0050 | NE | NE | | | |
| Vanadium | 0.094 | 0.073 | ND < 0.0020 | 0.032 | 0.030 | 0.060 | --- | 0.090 | --- | 0.20 | --- | ND < 0.0020 | --- | 0.13 | --- | 0.040 | 0.14 | NE | NE | | | |
| Zinc | 0.44 | 1.4 | 1.2 | 0.75 | 0.68 | 0.76 | --- | 3.1 | --- | 7.1 | --- | 0.47 | --- | 0.27 | --- | 1.4 | 0.44 | NE | NE | | | |
| VOC (USEPA Method 8260) | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND < 1.0 | 3.8 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 4.0 | 7.3 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | NE | NE | | |
| 1,2,4-Trichlorobenzene | ND < 1.0 | 2.3 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 13 | 13 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | NE | NE | | |
| 1,2,4-Trimethylbenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 310 | 510 | ND < 1.0 | ND < 1.0 | 810 | 1,400 | 500 | 350 | 930 | 1,100 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| 2-Chlorotoluene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| 1,2-Dichlorobenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 24 | ND < 40 | ND < 1.0 | ND < 1.0 | 8.5 | ND < 100 | 21 | 62 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| 1,3-Dichlorobenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 2.9 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| 1,4-Dichlorobenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 5.9 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 4.8 | 11 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| 1,3,5-Trimethylbenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 120 | 210 | ND < 1.0 | ND < 1.0 | 300 | 610 | 80 | 11 | 380 | 480 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| Acetone | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | 32 | ND < 400 | ND < 10 | ND < 10 | ND < 10 | ND < 1,000 | 10 | ND < 10 | ND < 10 | ND < 400 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | NE | NE | |
| Benzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 11 | ND < 40 | ND < 1.0 | ND < 1.0 | 2.3 | ND < 100 | ND < 1.0 | 9.2 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 140 | 18,000 | |
| Carbon Disulfide | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | 2.4 | ND < 40 | ND < 1.0 | ND < 100 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| Ethylbenzene | ND < 1.0 | 1.8 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 9,300 | 12,000 | ND < 1.0 | ND < 1.0 | 4,400 | 5,400 | 250 | 120 | 5,600 | 12,000 | ND < 1.0 | ND < 1.0 | 1,600 | 16,000 | NE | NE | |
| Isopropylbenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 140 | 230 | ND < 1.0 | ND < 1.0 | 89 | 140 | 27 | 29 | 90 | 160 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| m/p-xylenes | ND < 2.0 | 4.9 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 26,000 | 33,000 | ND < 2.0 | ND < 1.0 | 14,000 | 16,000 | 540 | 160 | 17,000 | 34,000 | ND < 2.0 | ND < 2.0 | NE | NE | NE | NE | |
| Naphthalene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 63 | 67 | ND < 1.0 | ND < 1.0 | 300 | 160 | 32 | 21 | 180 | 140 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| n-Butylbenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 2.7 | ND < 40 | ND < 1.0 | ND < 1.0 | 7.1 | ND < 40 | ND < 1.0 | ND < 100 | 9.3 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| n-Propylbenzene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 59 | 92 | ND < 1.0 | ND < 1.0 | 72 | 120 | 42 | 28 | 91 | 120 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| o-Xylene | ND < 1.0 | 2.2 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 12,000 | 15,000 | ND < 1.0 | ND < 1.0 | 6,600 | 7,800 | 440 | 180 | 7,800 | 15,000 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| 4-Isopropyltoluene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 6.2 | ND < 40 | ND < 1.0 | ND < 1.0 | 50 | ND < 100 | 18 | 10 | 52 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | NE | NE | |
| Tetrachloroethene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 100 | 1.1 | 1.6 | ND < 1.0 | ND < 40 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 150 | NE | |
| Toluene | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 820 | 720 | ND < 1.0 | ND < 1.0 | 220 | 210 | 11 | 4.0 | 520 | 740 | ND < 1.0 | ND < 1.0 | 1,700 | 21,000 | NE | NE | |
| Total BTEX ⁽¹⁾ | ND < 2.0 | 8.9 | ND < 1.0 | ND < 1.0 | ND < 1.0 | 48,000 | 61,000 | ND < 2.0 | ND < 1.0 | 25,000 | 29,000 | 1,200 | 500 | 31,000 | 62,000 | ND < 2.0 | ND < 2.0 | NE | NE | NE | NE | |
| SVOC (USEPA Method 8270) | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | --- | ND < 5.0 | --- | ND < 5.0 | --- | 5.5 | --- | ND < 5.0 | --- | ND < 5.0 | ND < 5.0 | NE | NE | NE | NE | |
| 1,2-Dichlorobenzene | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | 11 | --- | ND < 5.0 | --- | ND < 5.0 | --- | 8.7 | --- | ND < 5.0 | --- | ND < 5.0 | ND < 5.0 | NE | NE | NE | NE | |
| 2,4-Dimethylphenol | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | --- | ND < 5.0 | --- | 24 | --- | ND < 5.0 | --- | 50 | --- | ND < 5.0 | ND < 5.0 | NE | NE | NE | NE | |
| 2-Methylnaphthalene | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | --- | ND < 5.0 | --- | 6.4 | --- | ND < 5.0 | --- | 6.5 | --- | ND < 5.0 | ND < 5.0 | NE | NE | NE | NE | |
| 3&4-Methylphenol | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | --- | ND < 10 | --- | ND < 10 | --- | ND < 10 | --- | 28 | --- | ND < 10 | ND < 10 | NE | NE | NE | NE | |
| Naphthalene | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | 26 | --- | ND < 5.0 | --- | 62 | --- | 12 | --- | 65 | --- | ND < 5.0 | ND < 5.0 | NE | NE | NE | NE | |
| Pentachlorophenol | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | --- | ND < 1.0 | --- | 1.0 | --- | 1.0 | --- | 1.0 | --- | 1.0 | 1.0 | NE | NE | NE | NE | |
| Phenanthrene | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | ND < 5.0 | --- | 1.0 | --- | ND < 5.0 | --- | ND < 5.0 | --- | ND < 5.0 | --- | ND < 5.0 | ND < 5.0 | NE | NE | NE | NE | |

NOTES:
RIDEM: Rhode Island Department of Environmental Management
USEPA: United States Environmental Protection Agency
VOC: volatile organic compounds
SVOC: semi-volatile organic compounds
Bold values indicate that reporting limits exceed regulatory criteria
Bold and shaded values exceed one or more regulatory criteria.
ND < X: compound not detected above laboratory reporting limit
Only the last 6 digits of the sample number are listed.
⁽¹⁾ Total BTEX calculated as the sum of quantified benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene.

UCL: Upper Concentration Limits
NE: criterion is not established
NM: not measured
MW: monitoring well
mg/L: milligrams per liter
µg/L: micrograms per liter
ORP: oxidation-reduction potential

GB-GO: GB Groundwater Objectives
fbg: feet below grade
mv: millivolts
ntu: nephelometric turbidity units
C deg: degrees Celsius
µS/cm: microsiemens per centimeter
fbg: feet below grade

Created by: SAH
Reviewed by: DCL

Table 8 (Continued)
Summary of Groundwater Analytical Data and Objectives
Collected July 2011 and May 2013

Former Woonsocket Color & Chemical Site
 Woonsocket, Rhode Island

Site Investigation Report/Targeted Brownfields Assessment
 Prepared for RIDEM

June 2013

| Location | MW-302 | MW-303 | MW-304 | MW-305 | MW-306 | | MW-307 | MW-308 | MW-309 | MW-310 | MW-311 | RIDEM Regulatory Criteria | | |
|--------------------------------|---------------|--------------|----------|----------|---------------|---------------|---------------|----------|---------------|--------------|--------------|---------------------------|-------|--------|
| | Sample Number | 0508-02 | 0508-01 | 0508-10 | 0508-08 | 0508-05 | 0508-06 | 0508-03 | 0508-04 | 0508-07 | 0508-09 | 0508-12 | GB-GO | UCL |
| Sample Date | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | 5/8/2013 | | | |
| Sample Type | Primary | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | | | |
| Sample Depth (fbg) | 11 | 11 | 16 | 12 | 12 | | 11 | 10 | 14 | 19 | 22 | | | |
| Field Measurements | | | | | | | | | | | | | | |
| | Units | | | | | | | | | | | | | |
| pH | pH units | 6.27 | 6.23 | 5.93 | 6.72 | | 6.03 | 6.10 | 5.97 | 5.91 | 5.12 | 6.32 | NE | NE |
| Specific Conductance | µS/cm | 314 | 272 | 280 | 801 | | 429 | 277 | 298 | 671 | 449 | 706 | NE | NE |
| Temperature | °C | 11.1 | 10.5 | 12.8 | 11.6 | | 11.6 | 12.2 | 11.0 | 12.0 | 12.6 | 14.5 | NE | NE |
| Turbidity | NTU | >1000 | 152 | 20 | 172 | | 27 | >1000 | 27 | 395 | 137 | 150 | NE | NE |
| Dissolved Oxygen | mg/L | 0.22 | 0.70 | 0.82 | 0.88 | | 0.48 | 1.52 | 0.50 | 0.43 | 2.92 | 1.51 | NE | NE |
| ORP | mv | -173 | -86 | -84 | -114 | | -190 | -66 | -122 | -160 | 110 | -17 | NE | NE |
| VOC (USEPA Method 8260) | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | µg/L | ND < 20 | ND < 4.0 | 4.7 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | ND < 10 | NE | NE |
| 1,2,4-Trichlorobenzene | µg/L | ND < 20 | ND < 4.0 | 32 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | ND < 10 | NE | NE |
| 1,2,4-Trimethylbenzene | µg/L | 30 | 5.9 | 61 | 460 | 880 | 880 | 6.4 | 290 | 270 | 140 | 170 | NE | NE |
| 2-Chlorotoluene | µg/L | ND < 20 | ND < 4.0 | ND < 1.0 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | 55 | 120 | ND < 10 | ND < 10 | NE | NE |
| 1,2-Dichlorobenzene | µg/L | 21 | 11 | 2.9 | ND < 40 | 39 | 38 | ND < 1.0 | 140 | 100 | 34 | ND < 10 | NE | NE |
| 1,3-Dichlorobenzene | µg/L | ND < 20 | ND < 4.0 | 6.6 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | ND < 10 | NE | NE |
| 1,4-Dichlorobenzene | µg/L | ND < 20 | ND < 4.0 | 19 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | ND < 10 | NE | NE |
| 1,3,5-Trimethylbenzene | µg/L | ND < 20 | 5.2 | 2.8 | 200 | 370 | 360 | 2.5 | 110 | 92 | 51 | 53 | NE | NE |
| Acetone | µg/L | ND < 200 | ND < 40 | ND < 10 | ND < 400 | 200 | ND < 200 | ND < 10 | ND < 100 | ND < 200 | ND < 100 | 100 | NE | NE |
| Benzene | µg/L | ND < 20 | ND < 4.0 | 12 | ND < 40 | 37 | 38 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | 21 | 140 | 18,000 |
| Carbon Disulfide | µg/L | ND < 20 | ND < 4.0 | ND < 1.0 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | 180 | ND < 10 | NE | NE |
| Ethylbenzene | µg/L | 6,500 | 360 | 1,200 | 11,000 | 17,000 | 17,000 | 530 | 11,000 | 8,100 | 2,200 | 3,600 | 1,600 | 16,000 |
| Isopropylbenzene | µg/L | ND < 20 | ND < 4.0 | 22 | 170 | 270 | 270 | 3.0 | 150 | 100 | 71 | 42 | NE | NE |
| m/p-xylenes | µg/L | 23,000 | 880 | 1,400 | 23,000 | 48,000 | 48,000 | 1,600 | 32,000 | 15,000 | 1,900 | 6,400 | NE | NE |
| Naphthalene | µg/L | ND < 20 | 6.0 | 3.6 | 64 | 100 | 100 | ND < 1.0 | 24 | 23 | 10 | 26 | NE | NE |
| n-Butylbenzene | µg/L | ND < 20 | ND < 4.0 | ND < 1.0 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | ND < 10 | NE | NE |
| n-Propylbenzene | µg/L | ND < 20 | ND < 4.0 | 9.7 | 72 | 120 | 130 | ND < 1.0 | 66 | 44 | 29 | 19 | NE | NE |
| o-Xylene | µg/L | 4,600 | 300 | 680 | 9,800 | 20,000 | 20,000 | 420 | 11,000 | 10,000 | 1,300 | 3,100 | NE | NE |
| 4-Isopropyltoluene | µg/L | ND < 20 | ND < 4.0 | 1.1 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | 11 | ND < 10 | NE | NE |
| Tetrachloroethene | µg/L | ND < 20 | ND < 4.0 | ND < 1.0 | ND < 40 | ND < 20 | ND < 20 | ND < 1.0 | ND < 10 | ND < 20 | ND < 10 | ND < 10 | 150 | NE |
| Toluene | µg/L | 31 | ND < 4.0 | 250 | 2,200 | 2,700 | 2,700 | ND < 1.0 | 1,200 | 450 | 110 | 610 | 1,700 | 21,000 |
| Total BTEX ^[1] | µg/L | 34,000 | 1,500 | 3,500 | 46,000 | 88,000 | 88,000 | 2,600 | 55,000 | 34,000 | 5,500 | 14,000 | NE | NE |

NOTES:

RIDEM: Rhode Island Department of Environmental Management
 USEPA: United States Environmental Protection Agency
 VOC: volatile organic compounds
 SVOC: semi-volatile organic compounds
Bold values indicate that reporting limits exceed regulatory criteria
Bold and shaded values exceed one or more regulatory criteria.
 ND < X: compound not detected above laboratory reporting limit
 Only the last 6 digits of the sample number are listed.

UCL: Upper Concentration Limits
 NE: criterion is not established
 NM: not measured
 MW: monitoring well
 mg/L: milligrams per liter
 µg/L: micrograms per liter
 ORP: oxidation-reduction potential

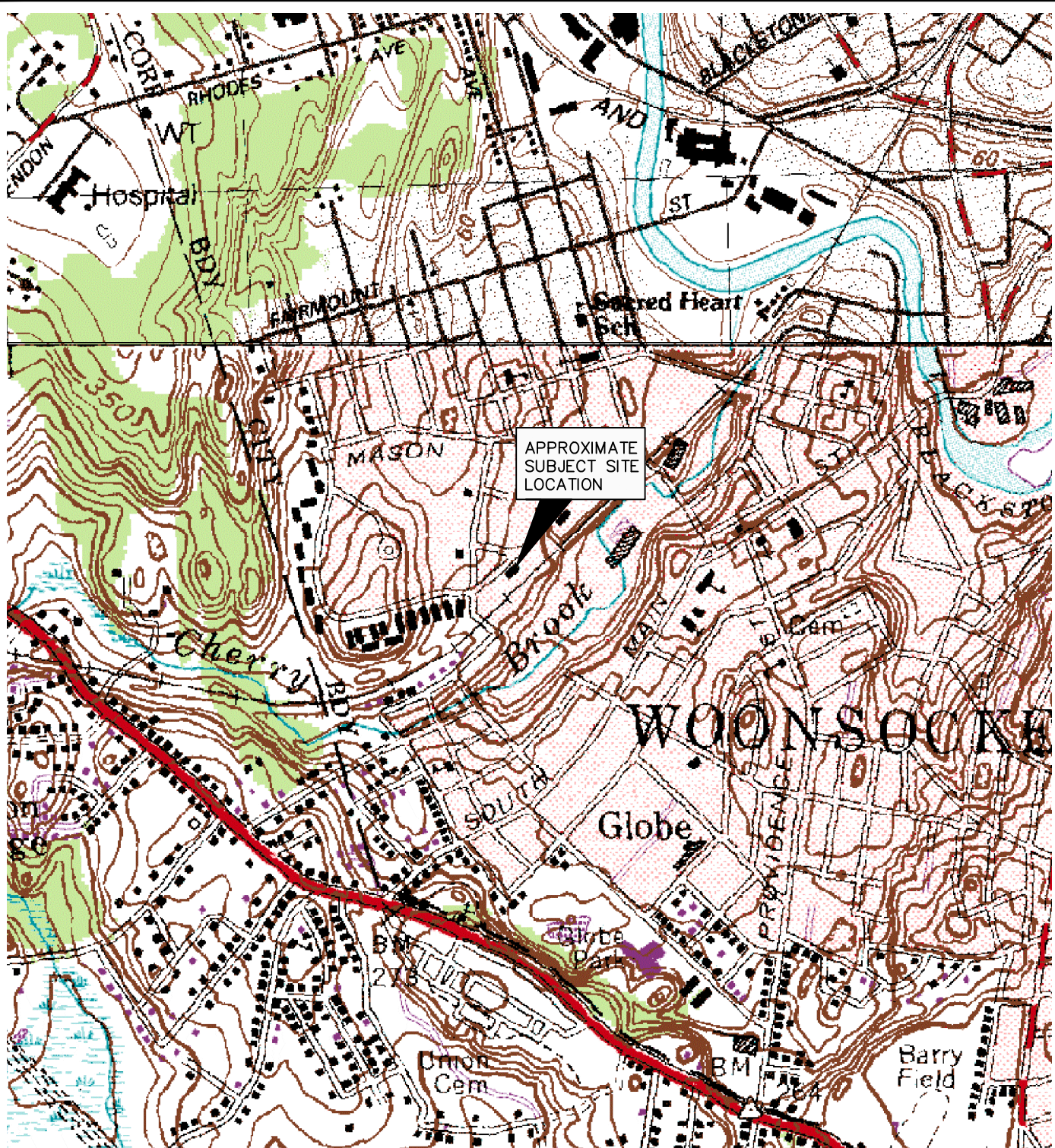
GB-GO: GB Groundwater Objectives
 fbg: feet below grade
 mv: millivolts
 ntu: nephelometric turbidity units
 C deg: degrees Celsius
 µS/cm: microsiemens per centimeter
 fbg: feet below grade

Created by: SAH
 Reviewed by: DCL

[1] Total BTEX calculated as the sum of quantified benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene.

Figures

File Path: J:\DWG\2009\1532A40\EnvironmentalPlan\20091532A40-LOC01.dwg, Layout: 08.5x11_P_R171-SM-COLOR, Plotted: Tue, Dec 17, 2013 - 4:16 PM, User: dlafance
 Plotter: DWG TO PDF.PC3 CTB File: FO 2008 COLOR (HALF)CTB
 LAYER STATE:



MAP REFERENCE

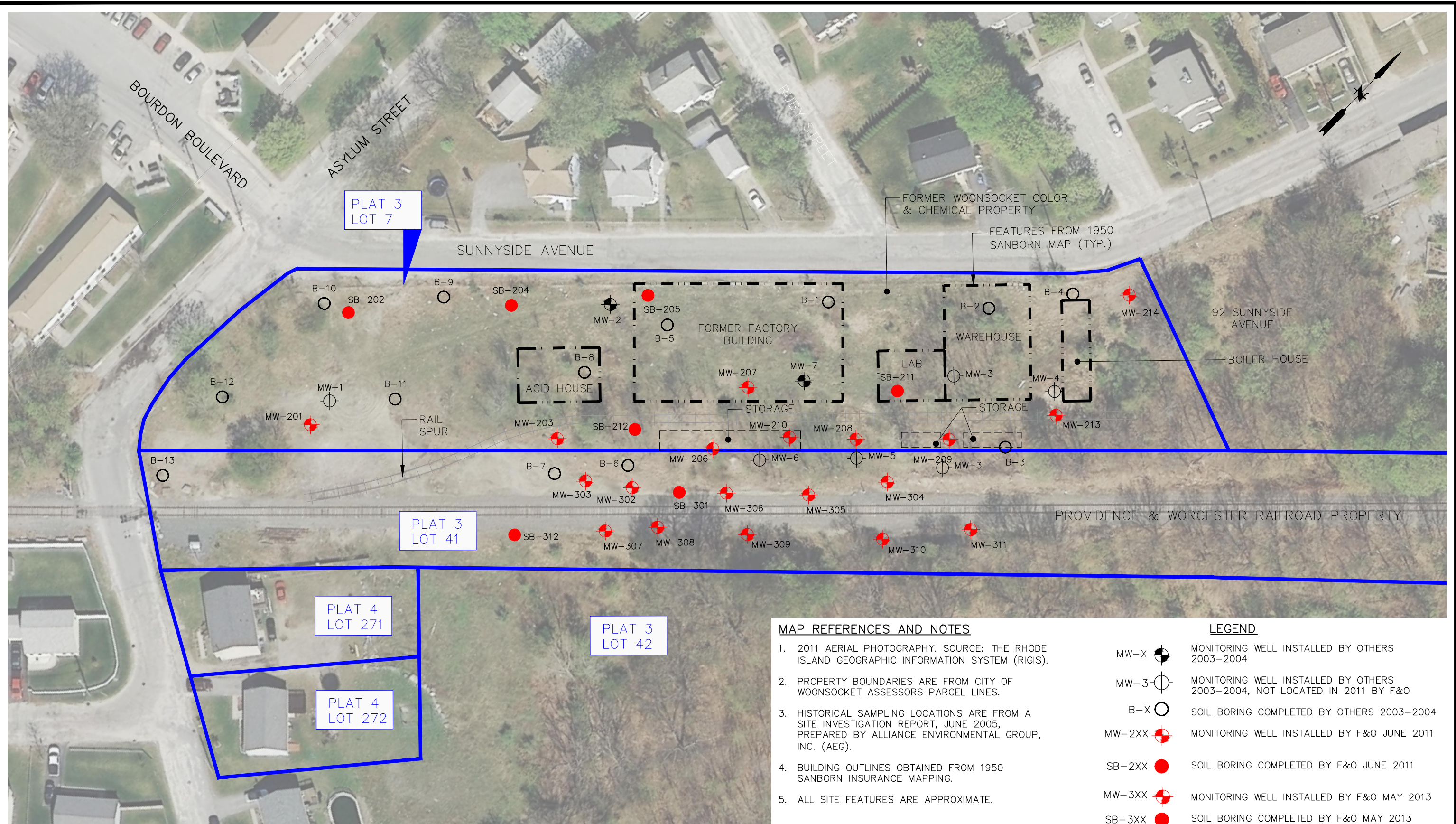
THIS MAP WAS PREPARED FROM THE FOLLOWING
 7.5 MINUTE USGS TOPOGRAPHIC QUADRANGLES:
 GEORGIAVILLE, RI, 1954 REVISED 1975
 BLACKSTONE, RI AND MA, 1982
 SOURCE: RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS)

| | |
|---------------|------------|
| SCALE: | |
| HORZ.: | 1" = 1000' |
| VERT.: | |
| DATUM: | |
| HORZ.: | |
| VERT.: | |
| | |
| GRAPHIC SCALE | |

FUSS & O'NEILL
 317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070
 www.fando.com

RIDEM
 SITE LOCATION MAP
 FORMER WOONSOCKET COLOR AND CHEMICAL CO.
 WOONSOCKET
 RHODE ISLAND

PROJ. No.: 20091532.A40
 DATE: JANUARY 2014
FIGURE 1



MAP REFERENCES AND NOTES

- 2011 AERIAL PHOTOGRAPHY. SOURCE: THE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS).
- PROPERTY BOUNDARIES ARE FROM CITY OF WOONSOCKET ASSESSORS PARCEL LINES.
- HISTORICAL SAMPLING LOCATIONS ARE FROM A SITE INVESTIGATION REPORT, JUNE 2005, PREPARED BY ALLIANCE ENVIRONMENTAL GROUP, INC. (AEG).
- BUILDING OUTLINES OBTAINED FROM 1950 SANBORN INSURANCE MAPPING.
- ALL SITE FEATURES ARE APPROXIMATE.

LEGEND

- MW-X MONITORING WELL INSTALLED BY OTHERS 2003-2004
- MW-3 MONITORING WELL INSTALLED BY OTHERS 2003-2004, NOT LOCATED IN 2011 BY F&O
- B-X SOIL BORING COMPLETED BY OTHERS 2003-2004
- MW-2XX MONITORING WELL INSTALLED BY F&O JUNE 2011
- SB-2XX SOIL BORING COMPLETED BY F&O JUNE 2011
- MW-3XX MONITORING WELL INSTALLED BY F&O MAY 2013
- SB-3XX SOIL BORING COMPLETED BY F&O MAY 2013

File Path: J:\DWG\2009\1532\A40\EnvironmentalPlan\20091532A40-STP02.dwg, Layout: SITE PLAN, Plotted: Fri, Mar 14, 2014 - 2:35 PM, User: dfrance
 Plotter: DWG TO PDF PLOT3, CTB File: FO 2008 COLOR (HALF) CTB
 LAYER STATE:

| No. | DATE | DESCRIPTION | DESIGNER | REVIEWER |
|-----|------|-------------|----------|----------|
| | | | | |
| | | | | |
| | | | | |

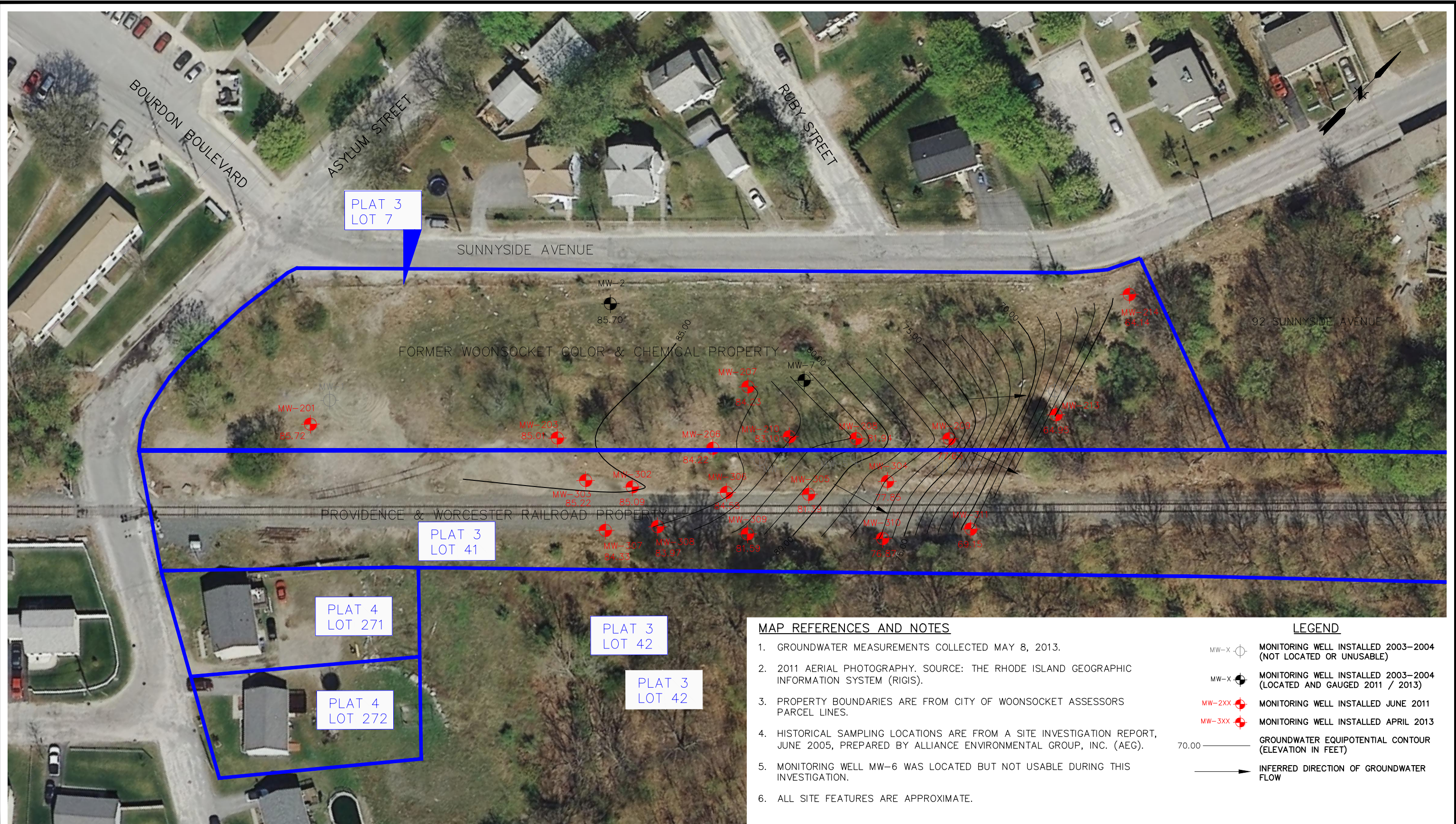
SCALE:
 HORZ.: 1" = 60'
 VERT.:
 DATUM:
 HORZ.:
 VERT.:
 0 30 60
 GRAPHIC SCALE

FUSS & O'NEILL
 317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070
 www.fando.com

RIDEM
 SITE PLAN
 FORMER WOONSOCKET COLOR & CHEMICAL CO.
 176 SUNNYSIDE AVE
 WOONSOCKET, RHODE ISLAND

PROJ. No.: 20091532.A30
 DATE: JUNE 2013
FIGURE 2

File Path: J:\DWG\20091532A40\EnvironmentalPlan\20091532A40-GW001.dwg, Layer: DWG TO PDF.PC3, CTB File: FO 2008 COLOR (HALF) CTB, User: clearance, Mon, Jan 27, 2014 - 11:20 AM



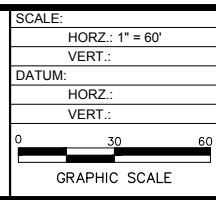
MAP REFERENCES AND NOTES

- GROUNDWATER MEASUREMENTS COLLECTED MAY 8, 2013.
- 2011 AERIAL PHOTOGRAPHY. SOURCE: THE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS).
- PROPERTY BOUNDARIES ARE FROM CITY OF WOONSOCKET ASSESSORS PARCEL LINES.
- HISTORICAL SAMPLING LOCATIONS ARE FROM A SITE INVESTIGATION REPORT, JUNE 2005, PREPARED BY ALLIANCE ENVIRONMENTAL GROUP, INC. (AEG).
- MONITORING WELL MW-6 WAS LOCATED BUT NOT USABLE DURING THIS INVESTIGATION.
- ALL SITE FEATURES ARE APPROXIMATE.

LEGEND

- MW-X MONITORING WELL INSTALLED 2003-2004 (NOT LOCATED OR UNUSABLE)
- MW-X MONITORING WELL INSTALLED 2003-2004 (LOCATED AND GAUGED 2011 / 2013)
- MW-2XX MONITORING WELL INSTALLED JUNE 2011
- MW-3XX MONITORING WELL INSTALLED APRIL 2013
- 70.00 GROUNDWATER EQUIPOTENTIAL CONTOUR (ELEVATION IN FEET)
- INFERRED DIRECTION OF GROUNDWATER FLOW

| No. | DATE | DESCRIPTION | DESIGNER | REVIEWER |
|-----|------|-------------|----------|----------|
| 1. | | | xx/xx | xx |

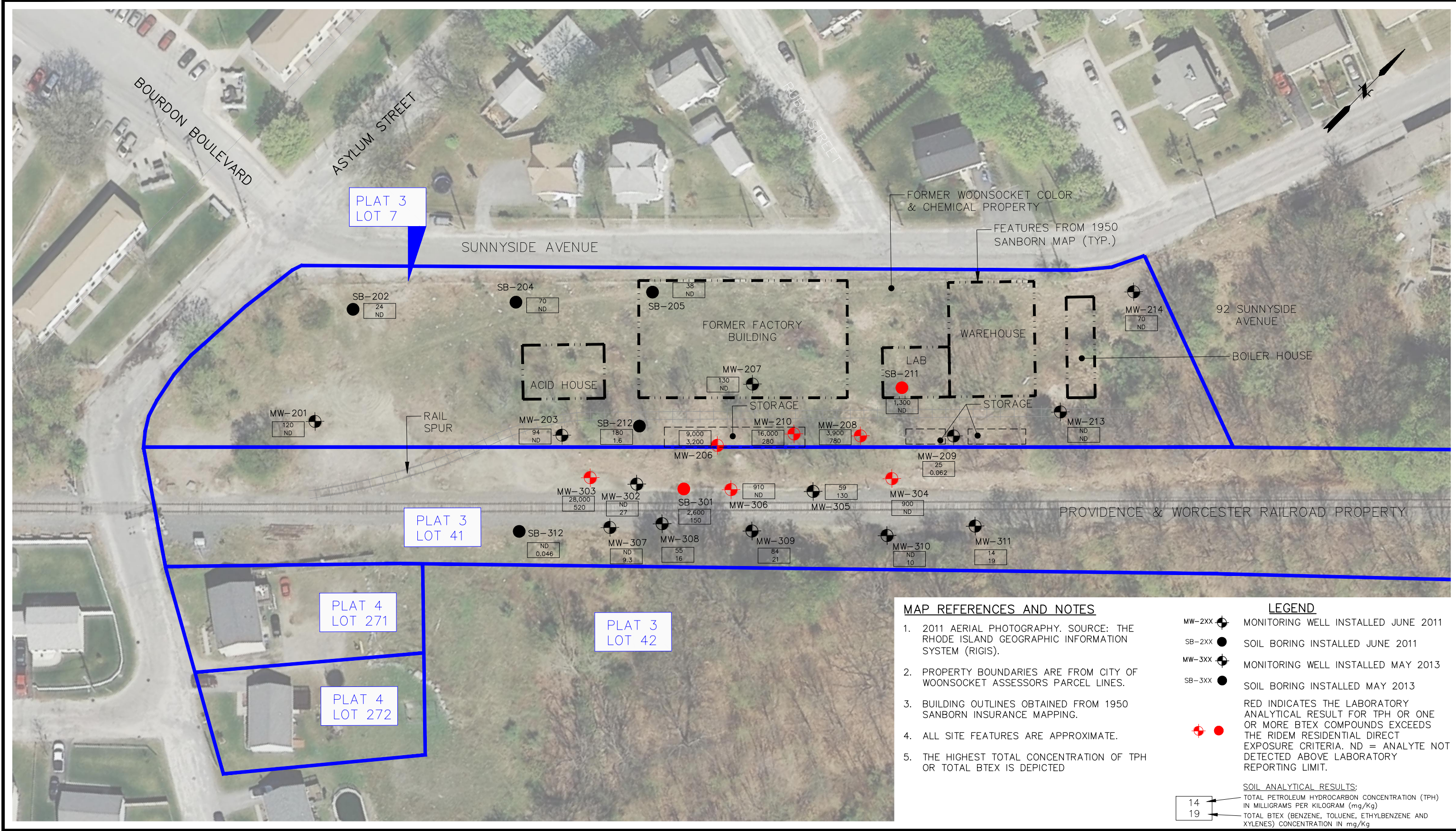


FUSS & O'NEILL
 317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070
 www.fando.com

RIDEM
 GROUNDWATER FLOW MAP
 FORMER WOONSOCKET COLOR & CHEMICAL CO.
 176 SUNNYSIDE AVE
 WOONSOCKET, RHODE ISLAND

PROJ. No.: 20091532 A40
 DATE: FEBRUARY 2014
FIGURE 3

File Path: J:\DWG\2009\1532\A40\EnvironmentalPlan\20091532\A40-STP02.dwg, Layout: TPH AND BTEX IN SOIL, Plotted: Fri, Mar 14, 2014 - 2:35 PM, User: dladrance
 Plotter: DWG TO PDF PC3, CTB File: FO 2008 COLOR (HALF) CTB, LAYER STATE:



MAP REFERENCES AND NOTES

- 2011 AERIAL PHOTOGRAPHY. SOURCE: THE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS).
- PROPERTY BOUNDARIES ARE FROM CITY OF WOONSOCKET ASSESSORS PARCEL LINES.
- BUILDING OUTLINES OBTAINED FROM 1950 SANBORN INSURANCE MAPPING.
- ALL SITE FEATURES ARE APPROXIMATE.
- THE HIGHEST TOTAL CONCENTRATION OF TPH OR TOTAL BTEX IS DEPICTED

LEGEND

- MW-2XX ● MONITORING WELL INSTALLED JUNE 2011
 - SB-2XX ● SOIL BORING INSTALLED JUNE 2011
 - MW-3XX ● MONITORING WELL INSTALLED MAY 2013
 - SB-3XX ● SOIL BORING INSTALLED MAY 2013
- RED INDICATES THE LABORATORY ANALYTICAL RESULT FOR TPH OR ONE OR MORE BTEX COMPOUNDS EXCEEDS THE RIDEM RESIDENTIAL DIRECT EXPOSURE CRITERIA. ND = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.
- SOIL ANALYTICAL RESULTS:**
- 14 TOTAL PETROLEUM HYDROCARBON CONCENTRATION (TPH) IN MILLIGRAMS PER KILOGRAM (mg/Kg)
 - 19 TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES) CONCENTRATION IN mg/Kg

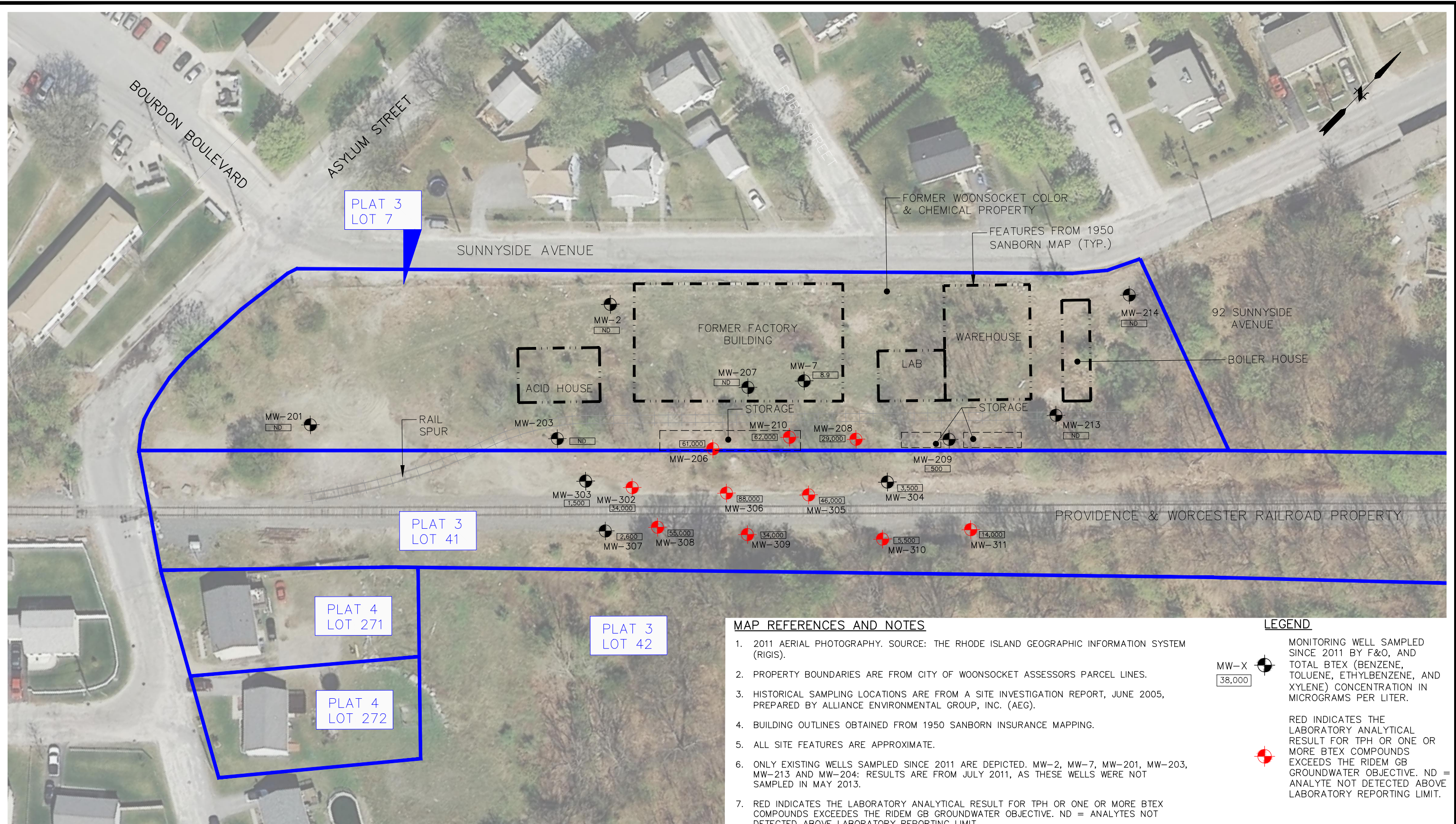
| No. | DATE | DESCRIPTION | DESIGNER | REVIEWER |
|-----|------|-------------|----------|----------|
| | | | | |
| | | | | |

SCALE:
 HORZ.: 1" = 60'
 VERT.:
 DATUM:
 HORZ.:
 VERT.:
 0 30 60
 GRAPHIC SCALE

FUSS & O'NEILL
 317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070
 www.fando.com

RIDEM
 TPH AND BTEX IN SOIL - JUNE 2011 AND APRIL 2013
 FORMER WOONSOCKET COLOR & CHEMICAL CO.
 176 SUNNYSIDE AVE
 WOONSOCKET, RHODE ISLAND

PROJ. No.: 20091532.A30
 DATE: JUNE 2013
FIGURE 4



PLAT 3
LOT 7

PLAT 3
LOT 41

PLAT 4
LOT 271

PLAT 4
LOT 272

PLAT 3
LOT 42

MAP REFERENCES AND NOTES

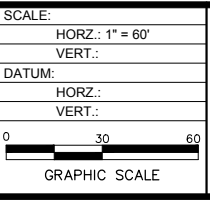
- 2011 AERIAL PHOTOGRAPHY. SOURCE: THE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS).
- PROPERTY BOUNDARIES ARE FROM CITY OF WOONSOCKET ASSESSORS PARCEL LINES.
- HISTORICAL SAMPLING LOCATIONS ARE FROM A SITE INVESTIGATION REPORT, JUNE 2005, PREPARED BY ALLIANCE ENVIRONMENTAL GROUP, INC. (AEG).
- BUILDING OUTLINES OBTAINED FROM 1950 SANBORN INSURANCE MAPPING.
- ALL SITE FEATURES ARE APPROXIMATE.
- ONLY EXISTING WELLS SAMPLED SINCE 2011 ARE DEPICTED. MW-2, MW-7, MW-201, MW-203, MW-213 AND MW-204: RESULTS ARE FROM JULY 2011, AS THESE WELLS WERE NOT SAMPLED IN MAY 2013.
- RED INDICATES THE LABORATORY ANALYTICAL RESULT FOR TPH OR ONE OR MORE BTEX COMPOUNDS EXCEEDS THE RIDEM GB GROUNDWATER OBJECTIVE. ND = ANALYTES NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.

LEGEND

MW-X MONITORING WELL SAMPLED SINCE 2011 BY F&O, AND TOTAL BTEX (BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENE) CONCENTRATION IN MICROGRAMS PER LITER.

RED INDICATES THE LABORATORY ANALYTICAL RESULT FOR TPH OR ONE OR MORE BTEX COMPOUNDS EXCEEDS THE RIDEM GB GROUNDWATER OBJECTIVE. ND = ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.

| No. | DATE | DESCRIPTION | DESIGNER | REVIEWER |
|-----|------|-------------|----------|----------|
| 1. | | | XX/XX | XX |



FUSS & O'NEILL

317 IRON HORSE WAY, SUITE 204
PROVIDENCE, RI 02908
401.861.3070
www.fando.com

RIDEM

TOTAL BTEX IN GROUNDWATER - MAY 2013

FORMER WOONSOCKET COLOR & CHEMICAL CO.

176 SUNNYSIDE AVE

WOONSOCKET, RHODE ISLAND

PROJ. No.: 20091532.A30
DATE: JUNE 2013

FIGURE 5

File Path: J:\DWG\2009\1532\A40\EnvironmentalPlan\20091532\A40-STP02.dwg, Layout: TPH AND BTEX IN GW, Plotted: Fri, Mar 14, 2014, 2:35 PM, User: dfrance, Plotter: DWG TO PDF.PC3, CTB File: FO 2008 COLOR (HALF).CTB, LAYER: STATE

Appendix A

Environmental Justice Materials

PUBLIC NOTICE

Notice of Environmental Investigation Activities
Former Woonsocket Color & Chemical Company Property
176 Sunnyside Avenue
Woonsocket, Rhode Island

Dear Sir or Madam:

The purpose of this letter is to inform you that Fuss & O'Neill, Inc. (an environmental engineering firm), on behalf of the Rhode Island Department of Environmental Management (RIDEM) and the City of Woonsocket (the City), is about to begin environmental assessment activities at the Former Woonsocket Color & Chemical Company site located at 176 Sunnyside Avenue, identified as Plat 3, Lot 7.

The site is considered to be a brownfield site, as the potential for environmental contamination in soil or groundwater associated with the previous industrial site usage may be affecting the beneficial reuse of the property. As a result, RIDEM is working with the United States Environmental Protection Agency, at the request of the City to address environmental concerns that may be associated with the site. This letter was prepared in accordance with Section 7.07(A) of the RIDEM Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations). This regulation requires that prior to commencement of an environmental site assessment, the owners and tenants of abutting properties must be notified.

The site is also located within an Environmental Justice Focus Area. In accordance with the Policy for Considering Environmental Justice in the Review of Investigation and Remediation of Contaminated Properties published by RIDEM, a site-specific Fact Sheet as well as materials published by RIDEM regarding general information about RIDEM and the environmental process are attached.

Environmental investigation field activities are expected to begin in June 2011 and are expected to last several months. On-site field activities will include surveys, drilling, installation of monitoring wells, and soil and groundwater sampling. Upon completion of the assessment, you will receive another letter notifying you that the investigation is complete.

If you would like to learn more about this site or the assessment process, or have specific comments or questions regarding this project, please contact any of the project personnel listed on the attached Fact Sheet.

Sincerely,



Patrick J. Dowling, CPG
Project Manager

- Attachments:
- 1: Site-Specific Environmental Fact Sheet
 - 2: RIDEM Fact Sheet
 - 3: RIDEM Office of Waste Management State Site Remediation & Brownfields Program Fact Sheet
 - 4: Brownfields: Turning Bad Spaces into Good Ones

ENVIRONMENTAL FACT SHEET – JUNE 2011
FORMER WOONSOCKET COLOR & CHEMICAL COMPANY PROPERTY
176 SUNNYSIDE AVENUE – PLAT 3 LOT 7
WOONSOCKET, RHODE ISLAND

Introduction

The City of Woonsocket and the Rhode Island Department of Environmental Management (RIDEM) have identified the former Woonsocket Color & Chemical Company property as a potential “Brownfield” site. A Brownfield site is any property where the environmental condition of soil or groundwater may be complicating the beneficial reuse of the property. The site is approximately 1.5 acres in size and is currently vacant. The City, RIDEM, and Fuss & O’Neill, Inc. (an engineering firm) are working to assess the environmental quality of the site and determine what clean up is necessary before redevelopment can occur.

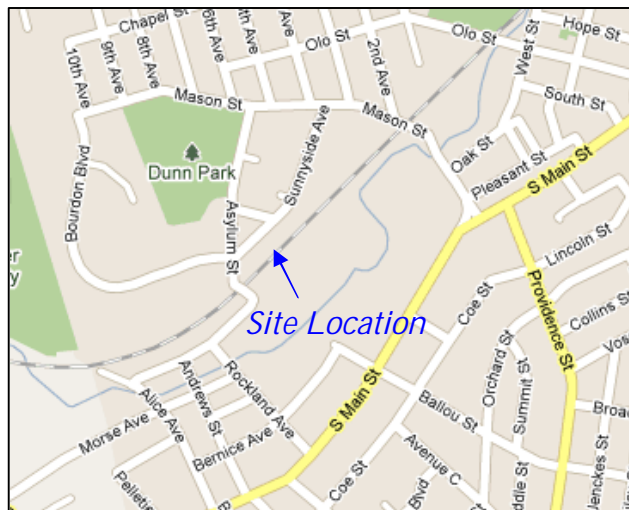
The City and RIDEM intend to keep the public informed about the environmental issues, provide an opportunity for those interested to ask questions about these issues, and be involved in decisions related to assessment, clean up, and redevelopment of the site. This fact sheet has been developed as part of the plan to ensure communication and public participation during the project.

Site History

According to available records, the site was most recently used by the Woonsocket Color & Chemical Company from the 1940s to the 1980s, to produce a variety of goods including paints, dyes, and agricultural chemicals. The industrial buildings at the site were destroyed by a fire in 1989. The current owner of the site has abandoned the property, and the property has been tax delinquent for approximately 17 years.

Environmental Concerns

A preliminary environmental review of the site was completed by Fuss & O’Neill in February 2011. This review included site inspections and research regarding the history of the site. This review identified the following environmental concerns:



Industrial Site Use: The site was used for industrial purposes for many years, which included the storage and manufacturing of chemicals and other hazardous materials. When the buildings burned in 1989, there may have been some chemicals remaining in the buildings. Old spills of chemicals or oil stored at the site, or released during the fire, may have contaminated the soil and groundwater beneath the site.

Documented Environmental Contamination: Between 2000 and 2005, the property owner conducted environmental investigations which included the collection and laboratory testing of soil and groundwater samples. Testing of these samples indicated that soil and groundwater contained environmental contaminants including metals and petroleum compounds. Further testing was required by RIDEM at that time, but was never completed by the property owner. More sampling is necessary to better understand what needs to be done to clean up the site.

Based on the results of the previous assessments, a scope of work for more sampling and testing has been prepared. The results of these proposed sampling activities will provide additional information about the current problems at the site and will help the City in their attempts to find a developer to clean up and redevelop the property. This study will be started in June 2011 and will take several months.

Future Use of the Site

The City intends to encourage development of the site, potentially including residential development. Future site development activities will not be allowed until environmental cleanup activities are completed to the satisfaction of the City and RIDEM.

Contact Information

For additional information or to provide feedback, please contact any of the following project personnel:

- Ms. Jane Talbot, Woonsocket City Planner, 767-1418 or jtalbot@woonsocketri.org
- Ms. Cynthia Gianfrancesco, RIDEM Principle Environmental Scientist, 222-2797 extension 7126 or cynthia.gianfrancesco@dem.ri.gov
- Mr. Patrick Dowling, Fuss & O'Neill Project Manager, 861-3070 extension 4568 or pdowling@fando.com





Rhode Island Department of Environmental Management

Working to Protect Rhode Island's Environment

Who We Are....

The Rhode Island Department of Environmental Management (DEM) is the state agency responsible for preserving the quality of Rhode Island's environment for you and everyone who calls Rhode Island home. Our main office is conveniently located in Providence. We help protect the **AIR** you breathe, the **LAND** your homes, businesses and schools are built on, and the **WATER** you use for swimming and fishing.

What We Do....

DEM takes citizen complaints about pollution seriously and is committed to responding to complaints as quickly as possible. By contacting us, your complaint can be addressed and the investigation process can begin. Or maybe you don't have a complaint – maybe you have a question or need information about something happening in your neighborhood. We can help.

DEM receives complaints and questions about many subjects, including: illegal dumping, odor complaints from industrial facilities, illegal discharges into streams/rivers, dust problems, and similar threats to public health and the environment.

How We Can Help You....

DEM encourages your participation in helping us protect the environment and health of your community. We are here to answer your questions and investigate your complaints. Are you looking for information about a particular pollutant such as mercury or exterior lead paint?

Or maybe you are interested in learning more about a piece of property under construction near your home, or how to properly dispose of used oil? Are you concerned about illegal dumping or strange odors in your neighborhood?

We are here to serve you – please do not hesitate to contact us if you have questions, need to file a complaint about something happening in your community, or want more information about the many programs DEM runs that may directly impact you or your neighborhood. You can raise an issue anonymously or leave your name to get follow-up information.

VISIT OR CALL US:

IN PERSON:

MONDAY-FRIDAY, 8:30 AM-4:00 PM
235 PROMENADE STREET PROVIDENCE, RI
(2nd FLOOR INFORMATION DESK)

AT OUR WEB SITE:

www.dem.ri.gov

STILL HAVE QUESTIONS? CALL US:

GENERAL INFORMATION: **401-222-6800**
TDD LINE: **711**

NEED TO FILE A COMPLAINT?
401-222-1360

AFTER HOURS
EMERGENCIES/COMPLAINTS:
401-222-3070

STILL DON'T KNOW WHO TO CALL?
TRY DEM'S OFFICE OF TECHNICAL & CUSTOMER
ASSISTANCE:
401-222-6822



Rhode Island Department of Environmental Management
Office of Waste Management
State Site Remediation & Brownfields Program

Who We Are....

The Rhode Island Department of Environmental Management's (DEM) Office of Waste Management (OWM) Site Remediation & Brownfields Program was established to provide fair, comprehensive and consistent regulation of the investigation and remediation of hazardous waste and hazardous material releases, implemented in a timely and cost-effective manner. The program is designed to determine if a site poses a threat to human health and the environment and evaluate whether or not proposed remedies effectively provide protection.

This program also supports the redevelopment and reuse of contaminated sites through the Brownfields program. Sites are identified, evaluated, cleaned up and brought back to beneficial reuse in Rhode Island communities.

What We Do....

OWM's Site Remediation & Brownfields Program regulates and provides technical oversight for the investigation and remediation of releases of hazardous waste and/or hazardous materials to the environment; ensures that those investigations and remedial activities are conducted in a consistent manner that adequately protects human health and the environment; and enforces regulations regarding the proper disposal of abandoned hazardous wastes and hazardous materials.

How You Can Help...

Under the Freedom of Information Act you have a right to review site files. OWM wants to hear from you if you have any environmental

information that we are unaware of about a property before we approve a clean up. If you have any issues regarding a property's proposed reuse, please contact us and we will put you in contact with the appropriate municipal official.

The Process....

Cleaning a contaminated site requires investigation, planning and action. The *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases* (<http://www.dem.ri.gov/pubs/regs/regs/waste/remreg04.pdf>) define the specific documents that are needed, or may be needed, as part of that process:

- Notification of Release;
- Site Investigation Work Plan (SIWP);
- Public Notice of Investigation;
- Site Investigation Report (SIR);
- Public Notice of Completed Site Investigation & Public Comment Period on Technical Feasibility of Proposed Remedy;
- Remedial Action Work Plan (RAWP);
- Remedial Action;
- Closure Report; and, if applicable,
- Environmental Land Usage Restriction (ELUR).

FOR MORE INFORMATION CONTACT US:

AT OUR WEB SITES:

<http://www.dem.ri.gov>

<http://www.dem.ri.gov/brownfields/default.htm>

STILL HAVE QUESTIONS?

CALL OR EMAIL US:

GENERAL INFORMATION: **401-222-2797**

TDD RI Relay: **Dial 711**

Email: brownfields@dem.ri.gov

B R O W N F I E L D S :



Turning
bad spaces
into
good ones

How
communities
can get
involved

What is inside this booklet:



| | Page |
|---|-------------|
| What is a Brownfield? | 1 |
| Why can Brownfields be dangerous places? | |
| Chemicals | 2 |
| Where did the chemicals come from? | |
| When is a chemical dangerous? | |
| Testing chemical levels—how much do they find? | |
| Standards for chemicals: how much is too much? | 3 |
| What happens if a test is too high? | |
| How to understand standards | |
| What is risk? | 4 |
| Questions to ask about risk | |
| You can get involved | 5 |
| Residents know some important history | |
| Get involved when the city or developer is planning the cleanup | |
| Get involved with the cleanup plans | |
| Questions to ask about the cleanup | |
| What to expect during cleanup | 6 |
| Trucks | |
| What streets will the trucks use? | |
| How much traffic and how messy? | |
| How long will the cleanup take? | |
| Children and Brownfields | |
| Take action: write letters | 8 |
| Take action: make phone calls | 9 |
| Where to call or write (on the back cover) | |

What is a Brownfield?

This booklet is about unused or abandoned (*a BAN dund*) buildings and places called **Brownfields**. They are dirty, sometimes dangerous places in neighborhoods. Usually Brownfields are places where old factories or other businesses were. Many times they are very messy and trashy places.

Brownfields can have all kinds of dangers – mess, falling down buildings and even dangerous, **toxic** (*Tok sick*) chemicals. Toxic means these chemicals are dangerous to human health. When a Brownfield is cleaned up, neighborhoods are better places in so many ways.

All around the country Brownfields are being cleaned

up and **redeveloped** (*re da VEL upt*) – turned into better, cleaner places – new businesses, parks and other uses. This booklet will explain what you need to know to get involved and ask good questions about Brownfield **reuse and redevelopment**.

The more you know about a Brownfield site then the more you can take part in planning. For example, let's say a Brownfield site is going to be redeveloped into a school with a community playground. Residents can get involved to help decide:



- **Is this plan for redevelopment and reuse good for the neighborhood?**
- **Is the new place going to be safe for neighborhood people?**



Why can Brownfields be dangerous places?

#1 Dangers you can see

There are two kinds of dangers or **risks** at Brownfield sites – things you can see, and things you can't see. Things you can see, like broken windows and glass, rotted wood floors, rusty nails and pipes, and old barrels, are a problem. All of these things are dangerous. Children playing

at an old Brownfield site have the most risk to get hurt. They can find old underground storage tanks, and they can fall in.

#2 Dangers you can't see

Chemicals can be at a Brownfield and you can't see them. **Some chemicals can be dangerous to human health**. They can be toxic. Toxic chemicals can make people sick if they eat them, breathe them or get them on their skin.

Chemicals

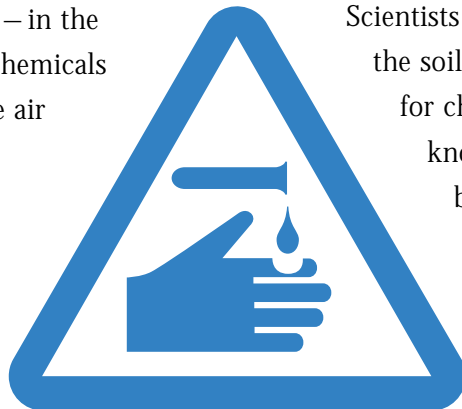
Where did the chemicals come from?

Sometimes when factories or businesses left a place, they left chemicals in pipes, barrels and buried oil tanks. These can leak. When they leak (or *leach*) into the ground, the chemicals can get into the soil and into well water and river water. Scientists test to see if the soil and water are safe.

When is a chemical dangerous?

Think of this: **chemicals are everywhere and in everything we eat and drink.** Our own bodies are made up of chemicals. And most chemicals are natural and safe. **But some chemicals, in the right amounts, can be dangerous.**

Old businesses can leave behind dangerous chemicals. For example, an old dry cleaning business can leave dangerous **VOCs**—volatile (*vo la TILE*) organic compounds—in the ground. VOCs are chemicals that can get into the air that we breathe.



Testing chemical levels—how much do they find?

If chemicals are in everything, how do the experts know what to test for?

Scientists often will test the soil and the water for chemicals. If they know what type of business was

there before, this will help scientists decide what to test for. Some of these tests are **very expensive**. So, they do the basic tests first. They may do more tests after they look at the first results.

To do the tests scientists dig holes, or **test wells**, into the ground and take samples of the water in the ground.

| Understanding chemicals | | |
|--------------------------|--|-----------------------------|
| Chemical Tested | Everyday/Household Use | Business/Industry Use |
| Pesticides | Roach powder Rat poison | Farming or chemical company |
| VOC's | Gasoline Dry cleaners Moth balls | Oil refinery |
| Semi-volatiles | Soot | Incinerators |
| Metals | Batteries Thermometers | Jewelry or plating company |

▲ This chart shows some of the kinds of chemicals that may be at a Brownfield site. In the *left* column is the name of the chemical. In the *middle* column you see how we use that chemical everyday, even at home. The *right* column shows what kinds of big businesses use these chemicals. This chart shows that there are many ways to use chemicals.

Standards for chemicals: how much is too much?

When scientists test a Brownfield site (the ground or the water) they want to find out **how much** of a chemical there is. The government sets safe amounts or levels for chemicals. The safe level is called a **standard**. If they find a level that is **higher than** the safe standard, then they make plans to do something to keep people safe.

What happens if a test is too high?

If the level is too high, scientists take action in different ways. Depending on the risk, they will do some or all of the following:

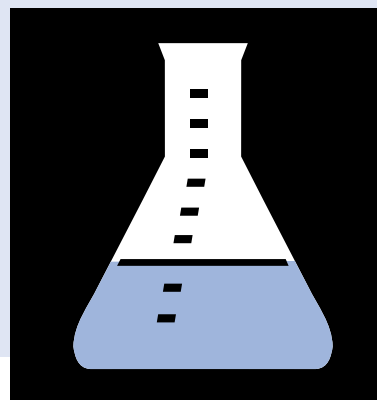
- Remove the contamination
- Cover it up
- Fence in the area
- Plant trees and grass
- Teach people about how to use an area
- Do more tests

Each Brownfield site is different, but the list above will give you a good idea of the kinds of actions that a contaminated site may need.

How to understand standards

Here is an example of a “standard.”

Let's say soil at a Brownfield site was tested for **lead**. The test level was **3,500 ppm** (parts per million). The EPA (Federal Environmental Protection Agency) action level is **400 ppm**. So, the level is **higher than the standard** (3,500 ppm is higher than 400 ppm). This means something needs to be done to be sure people can be safe at or near this Brownfield site.



What is risk?

There is no such thing as living in a world with no risks. Even crossing the street can be risky. The important question is “**What is an acceptable risk?**” “**What is a risk I am willing to take?**”

Sometimes it’s hard to know what is a risk? Who is at risk? For example if children are playing in a crumbling building this can be a **high risk**. Children can fall, get cut or get seriously hurt. Another example is if the air is filled with dust. This may be risky for people with asthma or older people.



Questions to ask about risk

- Is there a risk?
- Who is most at risk?
- What is the acceptable standard for this chemical?
- Is this standard for a normal size man or woman?
- Is this standard for a child?
- When can this chemical make me unhealthy?
- What could happen to me or my children?
- What about pregnant women?
- How would I know if I am sick from this chemical?
- If you say this level is safe here, does that mean this level is safe for every other place in the country?
- How can I protect myself – minimize the risk (keep the risk low)?
- How can I learn more about this risk? Who can I talk to?
- Is there something I can read?



Remember! There is no such thing as living in a world with no risks. The important thing is to understand what the risks are.

Go to the back page of this booklet for a list of agencies and phone numbers you can use.

An example of standards

The safe standard dose of aspirin for the average adult is 2 aspirin every 4 hours. Some adults can take even more than 2 aspirin safely. But if you are a small child, 2 aspirin is way too much. The standard for adults (2 aspirin) is not **the standard** for children.

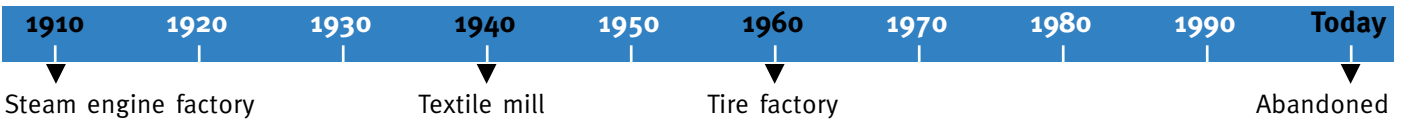
You can get involved

Residents know some important history

The past history of a site is important. Talk to the people

who have lived in the neighborhood for a long time. Maybe you are one of those people! People who worked in the facto-

ries and businesses may know what kinds of chemicals were used. This information will help the planners and scientists.



Brownfields get **redeveloped** into all kinds of different spaces – schools, businesses, playgrounds. Community people can help decide if the plan to build is a good one. As a resident, you can help decide:

- **Is this plan for redevelopment and reuse good for the neighborhood?**
- **Is the new place going to be safe for neighborhood people?**

There are 2 important times you can get involved with a Brownfield site:

1. Get involved when the city or developer is *planning* to cleanup, reuse or build something new at a Brownfield.

For example, a developer is planning to build a new business on an old brownfield site. It will have lots of hills and driveways to make it pretty. The developers think only adults will go to the business site. They want to follow cleanup standards for adults.

But neighborhood people know that the hills may attract lots of neighborhood children. This can be dangerous for kids. **The cleanup standards for adults may not be safe for children.** So you can give the developers good information. For example, you could ask them to make the land less inviting for kids.

Call or write your elected officials (*see sample letter and phone calls on pages 8 and 9*). Ask:



- **What is happening with this site?**
- **Are there plans to develop it?**
- **What are the plans?**
- **Will you hold any public meetings to talk about plans?**

2. Get involved with the cleanup plans.

The scientists and the contractors may schedule local meetings so that you can come and see and hear about the plans for cleanup. This is one of the times that you and your neighbors can be the most help and have the biggest impact. You can help decide if the plans for cleanup are good.



Questions to ask about Brownfields cleanup in your neighborhood

We have already talked about contamination and risk questions on page 4.

- When will the job start? How will you tell the neighborhood?
- Will there be a lot of noise during the cleanup?
- Will any of the waste be treated on the site? Will any chemicals be released during cleanup?
- Is it safe to truck it through the neighborhood?
- Where is the waste being taken?
- What if some of it spills out?
- Will the site be dusty during cleanup?
- What is being done about dust control? Is the dust dangerous?
- Will the chemicals smell? Will the fumes be toxic?
- Who do I complain to if I see something I think is wrong?
- What kind of signs will be posted while the work is going on?
- Will the signs be in different languages? Will they have pictures?
- Will there be guards at the street crossings to help with the truck traffic?
- Will there be a night watchman at the place where the work is being done?
- Will the site be fenced off?

What to expect during cleanup

Abandoned cars, used tires and other trash will need to be hauled away. Buildings and structures need to be taken down. Also, old fencing, asphalt parking lots and unused railroad lines will be removed. Metals, glass, boilers, old machinery and any of the

wooden pieces of the building will also be put into dumpsters and taken away to a landfill.

Trucks

Machines will be digging holes and loading trucks. Large trucks will be traveling back and forth



over the local roads. So you want to know what is the time of day and what days of the week will they be working. Usually the contractor wants to start around **6:30 or 7:00 am** and work until **3:30 or 4:00 pm**. Unless there is a real rush to get the work done, they will work Monday-Friday. So you might ask the question, **“Do you plan to work any overtime on this project?”**

What streets will the trucks use?

Find out what roads the trucks will be using. The people who plan these projects aren't always aware of the kinds of traffic that happen in your neighborhood. You know the local roads – where people walk and drive, and where children play. Maybe there are elderly or sick people on some streets. Usually the truck drivers have more than one choice about what roads they use. You can give them good information about the best routes.



How much truck traffic and how messy?

The contractor should have an idea about how much dirt he needs to take out and bring in. So he can figure out roughly how many loads there will be – 1 truck per hour, 10 trucks per hour or something in between.

Trucks can get dirty. Ask, **“Are you going to have a wash down place for the trucks leaving the job?”** A wash down is a platform that the contractor builds and the trucks ride up on it. While the truck is on the platform, workers with hoses spray high-pressure water to clean the trucks before they go out onto the neighborhood roads. This keeps the mud on the job and keeps your neighborhood clean.

How long will the cleanup take?

Most of the time the developers have a good idea how long the project will take before they

begin. But sometimes they are surprised by the things they find. Although the developers may not be able to give you an exact answer about when the job will be done, they should be able to give a best guess for an ending date.

Children and Brownfields

Talk to your children about Brownfields and cleanup. Explain the dangers of playing at or near the site. **Remember truck drivers cannot see every spot around their trucks.** Tell your children:

- **Be extra careful when you cross streets.**
- **Don't play near the Brownfield.**



Older people should also be more careful. If you know of an older person in the neighborhood let them know that the noise and dust will only be temporary.

Take action: write letters

This is a sample letter you can use to write to officials about a Brownfield site.

Turn to the back page to find the names and addresses of agencies and people.



To _____ (write name here)
_____ (include address)

Date _____

Dear Mr./Ms. (write name here),

I am a resident of _____ Street and I am writing to express my concern about the traffic around the Valley Mills cleanup. The trucks begin at about 6:30 in the morning during the week. This is a **problem** for a number of reasons. We have older people living on this street, and children are also walking to school between 7:30 and 8:30 am.

I would like to **request** that two things happen. I believe the trucks should not start until 9:00 and stop at 4:30. Also, I believe Pine Street would be a better traffic pattern for the trucks entering and leaving the site.

I am eager to see the site cleaned up. But I am equally concerned that this cleanup is done in the best way for our neighborhood. Please call me at _____ (your phone number) or write to me at _____ (your address).

Thank you for your time.

Sincerely,

_____ (your signature)

_____ (Print your name clearly here)

◀ **1st paragraph:**
What is the problem?

◀ **2nd paragraph:**
What are you asking for?

◀ **3rd paragraph:**
How can someone get in touch with you?

Take action: make phone calls

Phone call #1: Talking about truck traffic during the cleanup.

Turn to the back page to find the names and phone numbers of agencies and people.

Resident: Hello. I would like to speak to someone about the clean up of Valley Mills. I live in the neighborhood.

Operator: Just a minute please. I'll transfer you.

Planner: Hello. Can I help you.

Resident: Yes. I am calling about the truck traffic at the cleanup site of Valley Mills. My name is _____. I live in the neighborhood ◀ Say who you are. and I would like to talk about the truck traffic.

Planner: What seems to be the problem?

Resident: I think the trucks are starting too early in the morning and causing ◀ What is the problem? problems for older people. The trucks begin coming out of the site at 6:30 in the morning. This is much too early for this neighborhood. We have many older people living here and this traffic is a problem. I want the planners to ◀ What are you asking for? know that I am calling to say that the trucks should not start until 8:00 in the morning.

Planner: I will give the traffic manager your message.

Resident: Thank you. And who is the traffic manager? Could you please spell her name for me. Before we hang up I would like ◀ Get the person's name (write it down) your name. Please spell it for me. Also I would like to give you my name and phone number. I would like someone to call me back. (Give your name, spell it and phone number.)

Thank you very much and I will wait to hear from _____ (the traffic manager's name).



Phone call #2: Finding out if there are any plans for a Brownfield site near you.

Resident: Hello. I would like to speak to someone about the empty building and vacant lot on Mills Street I live in the neighborhood.

Operator: Just a minute please. I'll transfer you.

Planner: Hello. Can I help you?

Resident: Yes. I am calling about the empty building and vacant lot on Mills Street. My name is _____. I live in the neighbor- ◀ Say who you are. hood and I would like to know if the city has any plans to redevelop or reuse this land. Who would know about this land? ◀ What are you asking for?

Planner: You will need to speak with Ms. James. Her phone number is _____.

Resident: Thank you. And can I have your name, please? ◀ Get the person's name (write it down)

Where to call or write

Here are some important phone numbers you can call to get more information about Brownfields in your neighborhood.

City of Providence, Department of Planning & Development

400 Westminster St., Providence, RI 02903
(401) 351-4300

The Providence Department of Planning and Development reviews proposals and prepares re-development plans. Residents can contact the Department to review and get involved with redevelopment plans for their neighborhood. The Department also gives low interest loans for economic development projects.

Rhode Island Department of Environmental Management (RI DEM) Office of Waste Management

235 Promenade St., Providence, RI 02908
(401) 222-2797

The Rhode Island Department of Environmental Management (RI DEM) is a state agency responsible for regulating Brownfields reuse and redevelopment. RI DEM directs soil, air and water testing at Brownfields sites, and the agency reviews any plan for the future use. It also makes sure that contractors doing work at Brownfields follow all laws. RI DEM helps make legal agreements with developers of Brownfields sites.

Rhode Island Department of Health Office of Environmental Health Risk Assessment

Three Capitol Hill, Providence, RI 02908
(401) 222-4948

The Rhode Island Department of Health, Office of Environmental Health Risk Assessment provides information on the health effects of chemicals in people's homes, workplaces, or neighborhoods.

Environmental Protection Agency (EPA)

US EPA-NE, One Congress St., Boston, MA 02114-2023
1-800-EPA-REG1 (1-800-372-7341)

The EPA Brownfields Team provides a variety of technical and financial support involving the assessment and cleanup of Brownfields properties. Activities include community outreach; funding for assessments, job training and revolving loan funds; and expertise in hazardous materials.

Agency for Toxic Substances and Disease Registry (ATSDR)

Office of Urban Affairs, 1600 Clifton Rd, Atlanta, GA 30333
1-888-42-ATSDR (1-888-422-8737)

in Boston: ATSDR Region 1, US EPA-NE, One Congress St., Suite 1100 (HBT), Boston, MA 02114-2023
(617) 918-1495

ATSDR is the main federal public health agency that deals with hazardous waste issues. ATSDR gives states and others advice about what could be the health problems from chemicals and toxic sites.

This project would like to thank The Providence Plan and the following community residents who took such an active role in this booklet's development. They are: Angela Burgio, Joseph H. Burgio, Carlos Corchado, Marisa Corchado, Mayra Corchado, William O'Brien, David G. Sifuentes, Rosa Solis, Victor Solis, and J. Taylor.

Technical support for this project was provided by Christina Zarcadoolas, research and writing; Eva Anderson, design;

Miguel Rojas, translation; and Alyson McCann, URI Home*A*Syst; in collaboration with the RI Department of Health, Office of Environmental Health Risk Assessment.

Acknowledgement of Federal Support: ATSDR provided 69% of the total project costs, as a Federal contribution of \$63,220. The Rhode Island Department of Health provided 31% of the total costs, as an in-kind contribution of \$27,924 (1997 Omnibus Consolidated Appropriations Act Section 507).

AVISO PUBLICO

Aviso de actividades de investigación de un sitio
Antigua propiedad de la Compañía de químicos y colores de Woonsocket
176 de la avenida Sunnyside
Woonsocket, Rhode Island

Estimado señor o señora:

El propósito de esta carta es informarle de que Fuss & O'Neill, Inc. (una empresa de ingeniería ambiental), a nombre del Departamento de Control Ambiental de Rhode Island (RIDEM, por sus siglas en inglés) y la ciudad de Woonsocket (la ciudad), dará comienzo a ciertas actividades de evaluación ambiental en el sitio de la antigua Compañía de químicos y colores de Woonsocket, localizado en la avenida Sunnyside, la cual la oficina de catastro de la ciudad la ubica en la parcela 3, lote 7.


Se considera que el lugar es un sitio denominado como "brownsite" debido a la probable contaminación ambiental de su suelo y agua subterránea debido al uso industrial anterior, lo cual pudiera estar impidiendo que el sitio se pueda volver a utilizar con propósitos beneficiosos. Como resultado, RIDEM está colaborando con la Agencia de Protección Ambiental de los Estados Unidos, a solicitud de la ciudad, para tratar las inquietudes ambientales que pudieran surgir en el sitio. Esta carta se preparó bajo la guía de la Sección 7.07(A) de lo que se conoce como *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations)* emitidas por RIDEM. La Sección 7.07(A) de dichas *Regulaciones de Remediación* indican que antes de que se inicie la evaluación ambiental de un sitio, los propietarios e inquilinos de las propiedades aledañas deben ser notificados.

El sitio también está localizado dentro de lo que se conoce como Environmental Justice Focus Area. Para cumplir con la *Policy for Considering Environmental Justice in the Review of Investigation and Remediation of Contaminated Properties*, la cual es publicada por RIDEM, se ha creado y adjuntado una hoja de información específica para ese sitio, así como también materiales publicados por RIDEM con respecto a información general sobre RIDEM y el proceso de evaluación medioambiental.

Se espera que las actividades de investigación ambiental de campo comiencen en junio 2011 y se espera que duren por varios meses. Las actividades de campo que se lleven a cabo incluirán: encuestas, perforaciones, instalación de pozos de monitoreo y recolección de muestras de suelo y agua subterránea. Después de que los análisis se completen, usted recibirá otra carta notificándole que la investigación ha terminado.

Si quisiera obtener más información sobre ese sitio o sobre el proceso de evaluación o si tiene comentarios o preguntas específicas con respecto a este proyecto, por favor comuníquese con el personal del proyecto que se indica en la hoja de información adjunta.

Atentamente,


Patrick J. Dowling, CPG
Administrador del proyecto

- Adjuntos:
1. Hoja de información ambiental específica del sitio
 2. Hoja de información de RIDEM
 3. Hoja de información de RIDEM, sitio estatal de la Oficina de control de desechos Programa de Brownfields.
 4. Brownfields: Conviertiendo los malos lugares en otros buenos

HOJA DE INFORMACIÓN AMBIENTAL – JUNIO 2011
PROPIEDAD DE LA ANTIGUA COMPAÑÍA DE QUÍMICOS Y COLORES DE
WOONSOCKET
176 DE LA AVENIDA SUNNYSIDE – PARCELA 3, LOTE 7
WOONSOCKET, RHODE ISLAND

Presentación

La ciudad de Woonsocket y el Departamento de Control Ambiental (RIDEM, por sus siglas en inglés) han designado a la propiedad de la antigua Compañía de químicos y colores de Woonsocket como un posible lugar “Brownfield”. Una propiedad denominada como “Brownfield” es aquella en donde las condiciones de suelo o agua subterránea pudieran complicar la reutilización beneficiosa de dicha propiedad. El sitio tiene una extensión aproximada de 1.5 acres y actualmente se encuentra baldía. La ciudad, RIDEM y Fuss & O’Neill, Inc. (una empresa de ingeniería) están trabajando para evaluar la calidad ambiental del sitio y determinar qué tipo de limpieza es necesaria antes de poder comenzar la reurbanización.

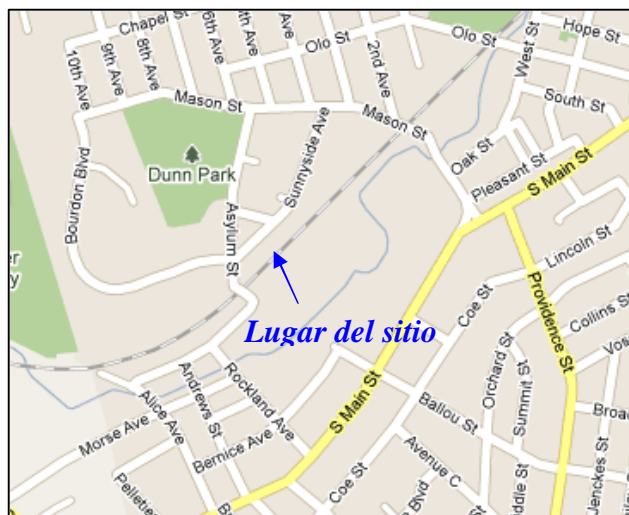
La ciudad y RIDEM tienen la intención de informar al público sobre los temas ambientales que pudieran surgir, que se les dé la oportunidad a los interesados de hacer preguntas sobre esos temas y de que participen en las decisiones relacionadas a la evaluación, limpieza y reurbanización del sitio. Esta hoja de información ha sido creada como parte del plan para facilitar la comunicación y la participación del público durante el proyecto.

Historia del sitio

De acuerdo a los archivos disponibles, el uso más reciente del sitio fue hecho por la Compañía de químicos y colores de Woonsocket desde la década de 1940 hasta la década de 1980, dicha compañía fabricaba productos tales como pintura, tintes y químicos agrícolas. Los edificios industriales fueron destruidos por un incendio en 1989. El actual propietario ha abandonado la propiedad y por ésta se deben los impuestos de aproximadamente 17 años.

Preocupaciones ambientales

Fuss & O’Neill completó la evaluación preliminar del sitio en febrero 2011. La evaluación incluyó varias inspecciones del sitio y una investigación con respecto a la historia del mismo. La evaluación identificó las siguientes preocupaciones ambientales:



Uso de un sitio industrial. El sitio fue utilizado por varios años con propósitos industriales, esto incluyó el almacenaje de químicos y otros materiales peligrosos. Cuando los edificios se quemaron en 1989, pudiera haber habido productos químicos que fueron dejados en dichos edificios. El suelo y el agua subterránea presente en el subsuelo del sitio pudieran estar contaminados a consecuencia de derrames anteriores de químicos o aceite almacenado en el sitio o por escapes de aceite ocurridos durante el incendio.



Contaminación ambiental documentada. Entre el 2000 y el 2005, el dueño de la propiedad llevó a cabo varias inspecciones que incluyeron la recolección y análisis de laboratorio de muestras tanto del suelo como del agua subterránea. La evaluación de las muestras indicaron que el suelo y el agua subterránea contenían contaminantes ambientales los cuales incluían metales y compuestos de petróleo. En aquel entonces, RIDEM solicitó otro análisis pero el dueño de la propiedad nunca lo completó. Es necesario tomar más muestras para entender mejor lo que se necesita hacer para limpiar el sitio.



De acuerdo a los resultados de la evaluación anterior, se ha preparado un campo de trabajo para obtener otras muestras y hacer otros análisis. Los resultados de estas actividades de muestreo que se proponen proveerán más información sobre los problemas actuales del sitio y le ayudarán a la ciudad en su intento de encontrar un urbanizador para limpiar y re-urbanizar la propiedad. Este estudio se comenzará en junio 2011 y tomará varios meses en completarse.

Uso futuro del sitio

La ciudad tiene la intención de facilitar la urbanización del sitio y probablemente incluirá una urbanización residencial. No se permitirá ninguna futura actividad de urbanización del sitio sino hasta que las actividades de limpieza hayan concluido de manera satisfactoria tanto para la ciudad como para RIDEM.

Información de contacto

Para obtener más información o para proveer comentarios, por favor comuníquese con las siguientes personas a cargo del proyecto:

- Srita. Jane Talbot, Planificación de la ciudad de Woonsocket, 767-1418 ó jtalbot@woonsocketri.org
- Srita. Cynthia Gianfrancesco, RIDEM científica ambiental a cargo de este proyecto, 222-2797, extensión 7126 ó cynthia.gianfrancesco@dem.ri.gov
- Sr. Patrick Dowling, Director de proyectos en Fuss & O'Neill, 401-861-3070, extensión 4568 ó pdowling@fando.com



Departamento de Gestión Ambiental en Rhode Island

Cómo se trabaja para proteger el medioambiente en Rhode Island

Quiénes somos...

El Departamento de Gestión Ambiental en Rhode Island (DEM) es la agencia estatal responsable de preservar la calidad del medioambiente en Rhode Island para usted y para todo aquél que considera que Rhode Island es su hogar. Nuestra oficina principal está ubicada convenientemente en Providence. Ayudamos a proteger el **AIRE** que usted respira, la **TIERRA** en donde está construido su hogar, su negocio o su escuela y el **AGUA** en donde nada o pesca.

Qué hacemos...

El DEM toma muy en serio las quejas de polución que los ciudadanos presentan y se siente comprometido a responder tales quejas tan pronto como le es posible. Al comunicarse con nosotros, se puede tratar su queja y dar comienzo a un proceso de investigación. O quizás usted no tenga una queja, quizás sea una pregunta o necesite información sobre algo que ocurrió en su vecindario. Podemos ayudar.

El DEM recibe quejas y preguntas sobre muchos temas, incluyendo: desechar basura ilegalmente, quejas de malos olores emitidos por instalaciones industriales, arrojar productos ilegales en riachuelos o ríos, problemas con el polvo y otras amenazas similares a la salud del público y del medioambiente.

Cómo podemos ayudarle...

El DEM anima su participación para ayudarnos a proteger el medioambiente y la salud de su comunidad. Estamos aquí para contestar sus preguntas e investigar sus quejas. ¿Busca información sobre un contaminante en particular, tal como el mercurio o pintura exterior con plomo?

¿ O quizás esté interesado en obtener más información sobre una propiedad en construcción cerca de su hogar o quiera saber cómo disponer

apropiadamente de aceite ya usado? ¿Se preocupa por la manera ilegal en que se desecha basura o por olores extraños en su vecindario?

Estamos aquí para servirle; por favor no dude en comunicarse con nosotros si tiene alguna pregunta, si necesita presentar una queja por algo que esté pasando en su comunidad o si desea obtener más información con respecto a los muchos programas que el DEM tiene a su cargo y que pudieran tener un impacto directo en usted o en su vecindario. Puede presentar un tema de manera anónima o puede dejar su nombre para obtener más información.

VISÍTENOS O LLÁMENOS:

PERSONALMENTE:

DE LUNES A VIERNES, DE 8:30AM A 4:00PM
235 PROMENADE STREET, PROVIDENCE, RI
(QUIOSCO DE INFORMACIÓN EN EL 2^{do} PISO)

EN NUESTRO SITIO WEB:

www.dem.ri.gov

¿AÚN TIENE PREGUNTAS? LLÁMENOS:

INFORMACIÓN GENERAL: **401-222-6800**
LÍNEA TDD: **711**

¿DESEA PRESENTAR UNA QUEJA?
401-222-1360

EMERGENCIAS O QUEJAS DESPUÉS DE HORAS
HÁBILES:
401-222-3070

¿AÚN NO SABE A QUIÉN LLAMAR?
LLAME A LA OFICINA DE AYUDA TÉCNICA Y DE
AYUDA AL CLIENTE DEL DEM
401-222-6822



Departamento de Gestión Ambiental en Rhode Island
Oficina de Gestión de Desperdicios
Programa de Remediación en Lugares Estatales y de lugares designados como Brownfields

Quiénes somos...

El Programa de Remediación de Sitios Estatales y de Terrenos Baldíos (otros lugares designados como "Brownfields") de la Oficina de Gestión de Desperdicios (OWM), una división del Departamento de Gestión Ambiental de Rhode Island (DEM), fue establecido para proveer regulaciones justas, completas y consistentes relacionadas a la investigación y remediación de la presencia y escape de materiales peligrosos y de materiales peligrosos, que han de implementarse dentro de un tiempo prudencial y a un costo razonable. El programa está diseñado para determinar si un lugar representa una amenaza tanto a la salud humana o al medioambiente, mientras que también evalúa si las soluciones que se proponen proveen o no protección eficaz.

De la misma manera, el Programa para Terrenos Baldíos, este programa promueve reurbanización y la reutilización de lugares contaminados. Los lugares se identifican, evalúan, limpian y son devueltos a su reutilización práctica dentro de las comunidades en Rhode Island.

Qué hacemos...

El Programa de Remediación de Sitios Estatales y Terrenos Baldíos de OWM regula y provee supervisión técnica para la investigación y remediación de escapes de desperdicios peligrosos y/o de materiales peligrosos al medioambiente; asimismo, asegura que esas investigaciones y actividades de remediación se lleven a cabo de tal manera consistente que protejan de forma adecuada la salud humana y el medioambiente; de la misma manera, refuerza las regulaciones referentes a la eliminación apropiada de desperdicios abandonados peligrosos y de materiales peligrosos en general.

Cómo usted puede ayudar...

De acuerdo a lo estipulado en la Ley o acceso a documentos públicos, usted tiene derecho a revisar los expedientes de dichos lugares. La OWM desea escucharlo en caso de que tenga alguna información medioambiental de alguna propiedad de la que no

tengamos conocimiento, antes de que aprobemos su limpieza. Si tiene alguna inquietud con respecto a la reutilización de una propiedad, por favor comuníquese con nosotros y le conectaremos con el funcionario municipal apropiado.

El proceso...

El limpiar de un lugar contaminado requiere investigación, planificación y acción. *Las reglas y regulaciones para la investigación y remediación de escape de materiales peligrosos* (<http://www.dem.ri.gov/pubs/regs/regs/waste/remre04.pdf>) indican los documentos específicos que son necesarios o que pudieran ser necesarios, como parte de ese proceso:

- Notificación de la divulgación;
- Plan de trabajo para iniciar investigación del lugar (SIWP);
- Aviso público de investigación;
- Reporte de investigación del lugar (SIR);
- Aviso público de que la investigación en el lugar ha concluido y Periodo de comentario público con respecto a la viabilidad técnica de la remediación que se propone;
- Plan de trabajo de la acción de remediación a tomarse (RAWP);
- Acción de remediación;
- Informe de clausura y, de ser aplicable,
- Restricciones del uso de la tierra por razones medioambientales (ELUR).

PARA OBTENER MÁS INFORMACIÓN COMUNÍQUESE CON NOSOTROS

EN NUESTRO SITIO WEB:

<http://www.dem.ri.gov>

<http://www.dem.ri.gov/brownfields/default.htm>

¿AÚN TIENE PREGUNTAS? LLÁMENOS O ENVÍENOS UN CORREO ELECTRÓNICO:

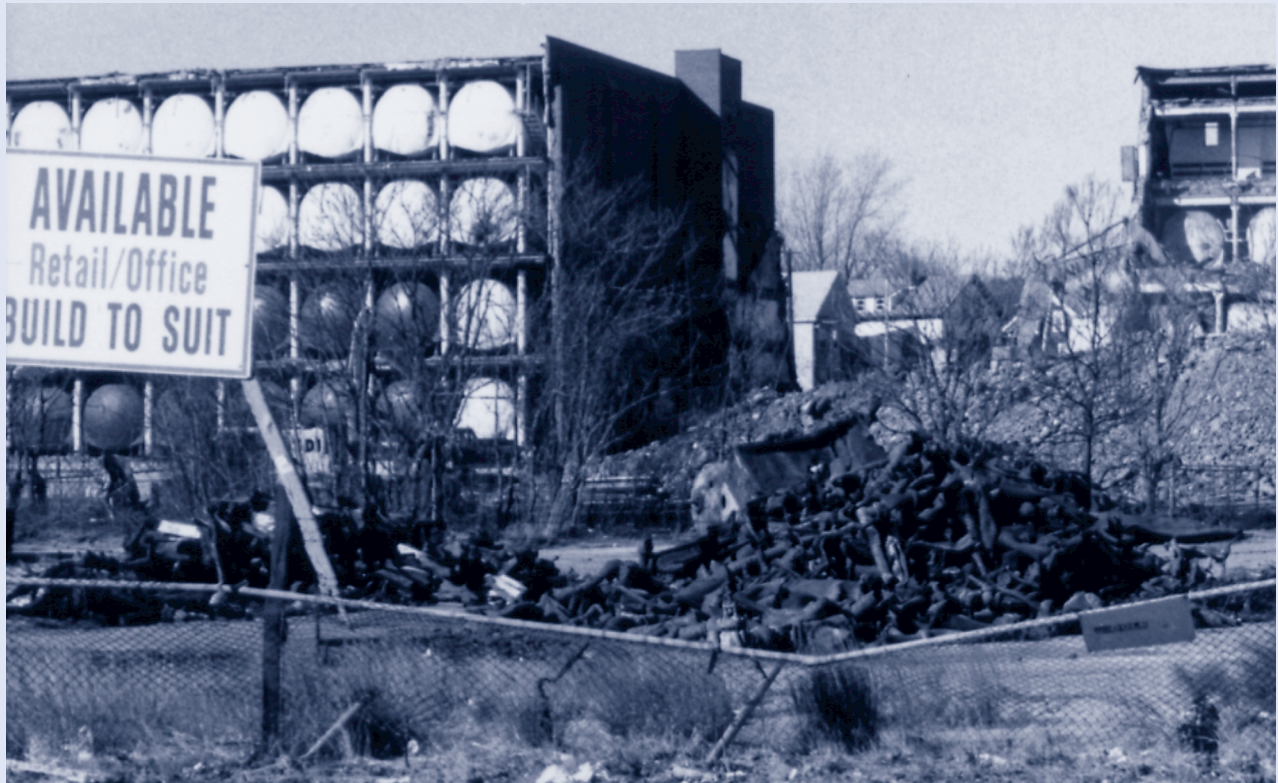
INFORMACIÓN GENERAL: **401-222-2797**

TDD RI Relay:

Marque 711

Correo electrónico: brownfields@dem.ri.gov

LOS TERRENOS BALDIOS:



Convertiendo
lugares malos
en lugares
buenos

Cómo pueden
participar
las
comunidades

El contenido de esta guía:



| | Página |
|---|---------------|
| Qué es un terreno baldío? | 1 |
| ¿Por qué los terrenos baldíos pueden ser terrenos peligrosos? | |
| Sustancias químicas | 2 |
| ¿De dónde vienen las sustancias químicas? | |
| ¿Cuándo es una sustancia química peligrosa? | |
| Analizando los niveles de las sustancias químicas—¿cuáles son los resultados? | |
| El estándar de las sustancias químicas: ¿cuánto es demasiado? | 3 |
| ¿Qué pasa si el análisis es muy alto? | |
| Cómo entender el estándar | |
| ¿Qué es riesgo? | 4 |
| Preguntas sobre los riesgos | |
| Usted puede participar | 5 |
| Los residentes conocen una historia importante | |
| Participe cuando la ciudad o los urbanizadores están planificando la limpieza | |
| Participe cuando empiecen los planes de limpieza | |
| Preguntas sobre la limpieza | |
| Qué esperar durante la limpieza | 6 |
| Camiones | |
| ¿Qué calles usarán los camiones? | |
| ¿Cuánto tránsito de camiones y cuán sucio será? | |
| ¿Cuánto tiempo tomará la limpieza? | |
| Los niños y los terrenos baldíos | |
| Tome acción: escriba cartas | 8 |
| Tome acción: haga llamadas | 9 |
| A quién se puede escribir o llamar (en la última página) | |

Qué es un terreno baldío?

Esta guía es sobre edificios sin uso o abandonados y sitios en la ciudad llamados **terrenos baldíos**. Son lugares sucios y a veces peligrosos en su vecindario. Usualmente los terrenos baldíos son los lugares en donde funcionaban fábricas u otras industrias. Muchas veces son lugares muy sucios y llenos de basura.

Los terrenos baldíos pueden estar llenos de cosas peligrosas – suciedad, edificios en ruinas y aún sustancias químicas peligrosas y **tóxicas** (*tóc-si-cas*). Tóxico significa que esas sustancias químicas son peligrosas para la salud de los seres humanos. Cuando se limpia un terreno baldío, el vecindario se convierte en un lugar mejor.

Por todo el país se están

limpiando los terrenos baldíos y se los **reurbaniza** (convierte) en lugares mejores y más limpios – por ejemplo nuevas industrias, parques o se les da otros usos. Esta guía le explicará qué es lo que usted necesita hacer para participar (ayudar) y hacer buenas preguntas sobre el **nuevo uso** y la **nueva urbanización** de los terrenos baldíos.

Mientras usted sepa más sobre terrenos baldíos usted podrá participar en la planificación y mejora de esos lugares. Por ejemplo, supongamos que el terreno baldío será urbanizado nuevamente y se edificará una escuela con un lugar de juegos para toda la comunidad. Los vecinos pueden



participar y ayudar a decidir:

- **¿Es el plan de urbanizar nuevamente y usar los terrenos de nuevo es bueno para el vecindario?**
- **¿Será el nuevo lugar seguro para la gente del vecindario?**

¿Por qué los terrenos baldíos pueden ser lugares peligrosos?



#1 Peligros que usted puede ver

Hay dos tipos de **riesgos** en los lugares baldíos – cosas que usted puede ver y cosas que usted no puede ver. Las cosas que usted puede ver, como las ventanas y vidrios rotos, los pisos de madera podrida, los clavos y las cañerías oxidadas y los antiguos barriles son un problema. Todas esas cosas son peligrosas. Los niños que juegan en un terreno baldío viejo corren un gran riesgo. Pueden encontrar, bajo tierra, tanques de

almacenamiento y caer dentro de ellos.

#2 Peligros que usted no puede ver

Un terreno baldío puede tener sustancias químicas que usted no ve. **Algunas sustancias químicas pueden ser peligrosas para la salud de los seres humanos.** Las sustancias químicas pueden ser tóxicas y pueden producir enfermedades si las personas ingieren, respiran o tienen contacto con ellas.

Las sustancias químicas

¿De dónde vienen las sustancias químicas?

Algunas veces las antiguas fábricas o negocios dejaron en el lugar que abandonaron químicos en las cañerías, barriles y tanques de petróleo enterrados, estos pueden tener un escape. Cuando tienen un escape (o *gotean*) en el suelo, los químicos pueden entrar en el terreno y dentro del agua de pozos y de ríos. Los científicos (investigadores) analizan para ver si el agua y el suelo son seguros.

¿Cuándo es una sustancia química peligrosa?

Piense lo siguiente: **las sustancias químicas están en todas partes y en todo lo que nosotros comemos y bebemos.** Nuestros cuerpos tienen sustancias químicas. La mayoría de estos químicos son naturales y seguros. **Pero algunos químicos, en cantidades diferentes, pueden ser peligrosos.**

Los negocios antiguos pueden dejar residuos químicos peligrosos. Por ejemplo, un antiguo negocio de limpieza en seco puede dejar peligrosos residuos de **COV** (compuestos orgánicos volátiles) en el suelo.



| Comprendiendo las sustancias químicas | | |
|---------------------------------------|---|---------------------------------------|
| Químico analizado | Uso común Uso en la casa | Uso en la industria o negocios de: |
| Pesticidas | . . . Polvo para cucarachas Veneno para ratas | . . . Agricultura o Cías químicas |
| COV | . . . Gasolina Limpiadores en seco Bolitas de naftalina | . . . Refinería de petróleo |
| Semi-volátiles | . . . Hollín | . . . Incineradores |
| Metales | . . . Baterías Termómetros | . . . Cías de enchapado |

▲ Este gráfico demuestra algunas de las clases de químicos que se pueden encontrar en un terreno baldío. En la columna de la *izquierda* se encuentra el nombre de la sustancia química, en la columna del *medio* usted podrá ver el uso diario del químico, aún en el hogar. La columna de la *derecha* muestra qué tipo de grandes industrias usan estos químicos. Este gráfico indica que hay varias formas de usar las sustancias químicas.

Los COV son sustancias químicas que pueden estar en el aire que respiramos.

Cuando analizan los niveles de los químicos ¿qué cantidad encuentran?

Si los químicos están en todos lados ¿cómo saben los expertos lo que tienen que analizar?

Los científicos, usualmente, analizan el terreno y el agua

para descubrir químicos. Si ellos saben qué tipo de industria estaba ahí antes, eso ayudará a los científicos a decidir qué es lo que tienen que analizar. Algunos de esos análisis son **muy caros**. Por lo tanto ellos primero hacen el análisis básico. Se harán más análisis después de obtener los primeros resultados.

Para hacer los análisis, los científicos cavan hoyos, o **pozos**, dentro de la tierra y toman muestras del agua dentro de la tierra.

El estándar para sustancias químicas: ¿cuánto es demasiado?

Cuando los científicos analizan el terreno baldío (la tierra o el agua) quieren saber **los niveles** de químicos que hay. El gobierno establece cuales son las cantidades o niveles seguros para los químicos. El nivel seguro es llamado **estándar**. Si ellos encuentran un nivel que es mayor al estándar, planifican hacer algo para mantener segura a la gente.

¿Qué pasa si el análisis es muy alto?

Si el nivel es muy alto los científicos toman acciones en diferentes formas. Dependiendo del riesgo pueden hacer lo siguiente:

- Remover la contaminación
- Cubrirla
- Cercar el área
- Plantar árboles y césped
- Enseñarle a la gente cómo usar el área
- Hacer más análisis

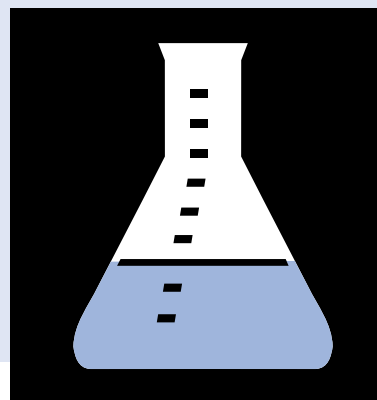
Cada terreno baldío es diferente, pero la lista mencionada le da a usted una buena idea del tipo de acciones a seguir en un lugar contaminado.



Cómo entender el estándar

Veamos un ejemplo de “estándar”

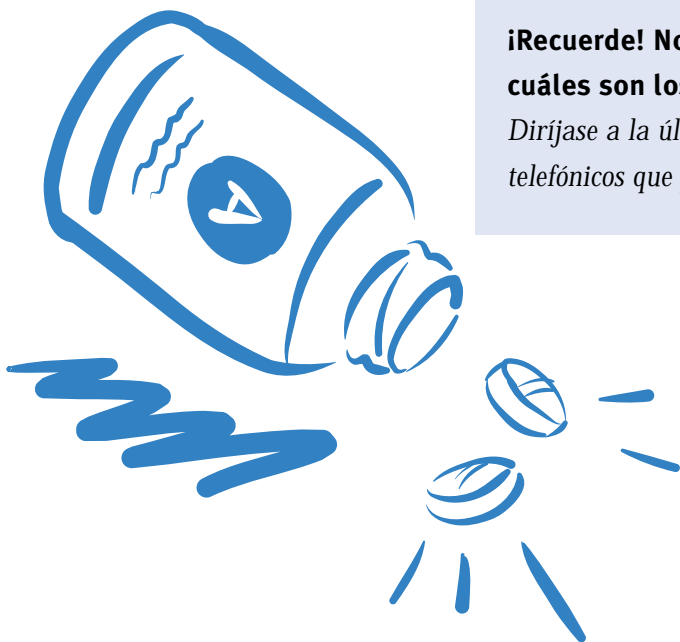
Digamos que la tierra de un terreno baldío fue analizada para saber si contenía plomo. El nivel de análisis fue de **3.500 ppm** (partes por millón). El nivel de acción de la Agencia Federal de Protección al Medio Ambiente (EPA, sus siglas en inglés) es de **400 ppm**. Por lo tanto el nivel es **mayor que el estándar** seguro (3.500 ppm es mayor que 400 ppm). Esto significa que se necesita hacer algo para asegurarse que la gente esté segura en el terreno baldío o cerca de él.



¿Qué es riesgo?

No hay ninguna cosa en el mundo que no tenga riesgos. Aún el cruzar la calle puede ser riesgoso. La pregunta importante es “¿Qué es un riesgo aceptable?”. “¿Qué es un riesgo que estoy dispuesto a aceptar?”.

A veces es difícil saber qué es un riesgo y quién está en riesgo. Por ejemplo si los niños están jugando en un edificio en ruinas eso puede ser un **gran riesgo**. Los niños se pueden caer, cortarse o lesionarse seriamente. Otro ejemplo es si el aire está lleno de polvo. Eso puede ser riesgoso para la gente con asma o para la gente mayor.



Preguntas para hacer acerca de un riesgo

- ¿Hay riesgo?
- ¿Quién está más en riesgo?
- ¿Cuál es el nivel estándar aceptable para este químico?
- ¿Cuál es el riesgo estándar para la talla de un hombre o mujer normal?
- ¿Cuál es el riesgo estándar para un niño?
- ¿Cuándo es una sustancia química insalubre?
- ¿Qué me puede suceder a mí o a mis hijos?
- ¿Qué pasa con mujeres embarazadas?
- ¿Cómo sabré si me he enfermado debido a este químico?
- Si usted dice que aquí el nivel es seguro aquí, ¿esto quiere decir que el nivel es seguro en otros lugares del país?
- ¿Cómo me puedo proteger o minimizar el riesgo (mantener bajo el riesgo)?
- ¿Cómo puedo aprender más sobre este riesgo? ¿Con quién puedo hablar?
- ¿Hay algo que yo pueda leer?



¡Recuerde! No existe un mundo sin riesgos. Lo importante es saber cuáles son los riesgos.

Diríjase a la última página para ver una lista de agencias y números telefónicos que puede utilizar.

Un ejemplo de estándares

La dosis estándar segura de la aspirina para el adulto promedio es de 2 aspirinas cada 4 horas. De hecho, ciertos adultos pueden tomar más de dos aspirinas y estar seguros. Pero si es un niño pequeño, 2 aspirinas es mucho. La dosis estándar segura (de 2 aspirinas) no es la dosis **estándar** para los niños.

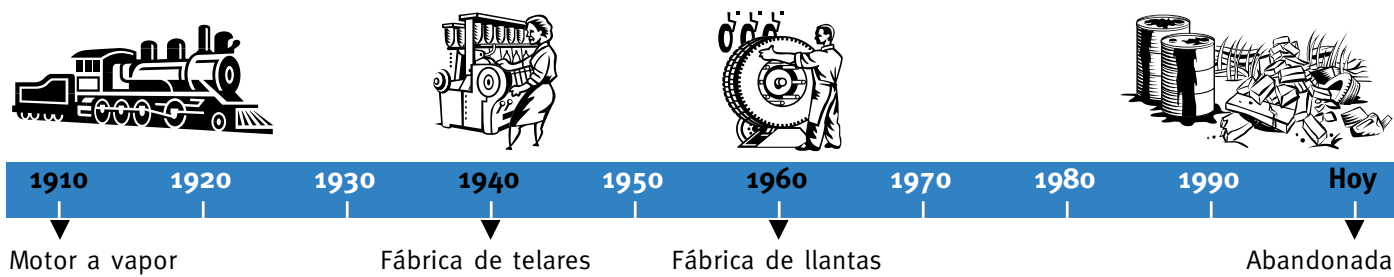
Usted puede participar

Los residentes conocen una historia importante

El pasado histórico de un lugar es importante. Hable con la gente

que ha vivido por un largo tiempo en el vecindario. Quizás usted es una de esas personas! La gente que trabajó en esas fábricas o

industrias pueden saber qué tipos de químicos se usaron. Esta información ayudará a los planificadores y a los científicos.



Los terrenos baldíos se reurbanizan en todo tipo de lugares – escuelas, negocios, lugares de juego. La gente de la comunidad puede ayudar a decidir si es bueno el plan de construcción. Como residente, usted puede ayudar a decidir:

- ¿Es este plan para la reurbanización bueno para la comunidad?
- ¿Será seguro el nuevo lugar para la gente del vecindario?

Hay 2 momentos importantes en los cuales usted puede participar en un terreno baldío:

1. Participe cuando la ciudad o los urbanizadores están planificando limpiar, reusar o construir algo nuevo en el sitio baldío.

Por ejemplo, digamos que los urbanizadores piensan construir una nueva industria en un terreno baldío viejo. Para ser atractivo tendrá muchas lomas y entradas de autos. Los planificadores piensan que sólo los adultos irán al área industrial. Quieren seguir los

estandares de limpieza para los adultos.

Pero la gente del vecindario sabe que las lomas pueden atraer a muchos niños del vecindario. Este puede ser peligroso para los niños. Puede ser que los estandares de limpieza para los adultos no son seguros para los niños. Pida a los planificadores que no hagan el lugar tentador para los niños.

Llame o escriba a sus funcionarios electos (vea los ejemplos de la carta y de llamadas telefónicas en las páginas 8 y 9). Pregunte:

- ¿Qué está pasando con el lugar?
- ¿Hay planes de urbanizarlo?
- ¿Cuáles son los planes?
- ¿Usted llamará a reuniones públicas para hablar sobre los planes?



2. Participe cuando empiecen los planes de limpieza

Puede ser que los científicos y los contratistas propongan un calendario con reuniones locales, por lo tanto usted podrá ir, ver y escuchar sobre los planes para la limpieza. Este es el momento en que usted y sus vecinos pueden ser de gran ayuda y tener el mayor impacto. Usted puede ayudar a decidir si los planes de limpieza son buenos.



Preguntas que pueda hacer sobre la limpieza del terreno baldío en su vecindario

Ya hemos hablado sobre la contaminación y preguntas sobre el riesgo. Vea la página 4.

- ¿Cuándo empezará el trabajo? ¿Cómo usted notificará al vecindario?
- ¿Habrá mucho ruido durante la limpieza?
- ¿Algunos de esos desperdicios serán tratados en el lugar? ¿Va a haber emanaciones de químicos durante la limpieza?
- ¿Es seguro transportarlos en camiones por el vecindario?
- ¿Adónde se llevan los desperdicios?
- ¿Qué sucede si hay un derrame de algún desperdicio?
- ¿Durante la limpieza habrá mucho polvo en el lugar?
- ¿Qué se está haciendo para controlar el polvo? ¿Es peligroso el polvo?
- ¿Los químicos emitirán olores? ¿Los gases serán tóxicos?
- ¿A quién reclamo si veo algo que creo que es incorrecto?
- ¿Qué tipos de letreros serán colocados cuando empiece el trabajo?
- ¿Los letreros serán en diferentes idiomas? ¿Tendrán dibujos?
- ¿Habrá guardianes en los cruces de las calles para ayudar con el tránsito de los camiones?
- ¿Habrá guardianes de noche en el lugar en donde se está trabajando?
- ¿El lugar será cercado?

Qué esperar durante la limpieza

Los autos abandonados, las llantas usadas y otra basura tendrá que ser transportada a otro lado. Se necesitará demoler los edificios y las estructuras. También se tendrá que remover las antiguas cercas, el asfalto de los lugares de estacionamiento y los carriles de tren abandonados. Los metales, vidrios,

calderas y maquinarias antiguas o cualquiera de las partes de madera del edificio serán puestas dentro de un recipiente para desperdicios y se los llevará a un basurero.

Camiones

Las máquinas excavarán hoyos y cargarán camiones. Camiones



grandes viajarán de ida y de vuelta sobre los caminos locales. Por lo tanto usted necesita saber durante qué horas del día y qué días de la semana estarán trabajando. Usualmente el contratista desea empezar alrededor de **6:30 ó 7:00 am** y trabajar hasta las **3:30 ó 4:00 pm**. Si no existe un apuro real para terminar el trabajo, ellos trabajarán de lunes a viernes. Entonces usted puede preguntar: **“Planea usted trabajar tiempo extra en este proyecto?”**.

¿Qué calles usarán los camiones?

Averigüe qué caminos usarán los camiones. La gente que planea este proyecto no siempre está consciente del tipo de tráfico que hay en su vecindario. Usted conoce los caminos locales – por donde la gente camina y conduce y en dónde juegan los niños. Quizás hay personas ancianas o enfermas en algunas calles. Usualmente los conductores de camiones tienen más de una posibilidad para elegir la ruta que pueden usar. Usted puede informarles de las rutas mejores.



¿Cuánto tránsito de camiones habrá y cuán sucio será?

El contratista deberá tener una idea sobre cuánta tierra necesita sacar y traer. Por lo tanto él puede calcular aproximadamente cuántas cargas habrá: 1 camión por hora, 10 camiones por hora o entre 1 ó 10 camiones por hora.

Los camiones se ensucian. Pregunte, **“Habrá un lavadero para los camiones que salen del área del trabajo?”**. Un lavadero es una plataforma que el contratista construye y por la cual los camiones pasan. Mientras el camión está sobre la plataforma, los trabajadores provistos con mangueras de alta presión lanzan agua para lavar al camión antes de salir a rodar por los caminos del vecindario. Esto mantiene el barro en el trabajo y mantiene limpio a su vecindario.

¿Cuánto tiempo tomará la limpieza?

La mayoría de los urbanizadores, antes de empezar el proyecto, tienen una buena idea de cuánto se demorarán. Pero a veces tienen

sorpresas por las cosas que encuentran. Aunque los planificadores no puedan darle a usted una respuesta exacta sobre cuándo se acabará el trabajo, ellos podrán darle un cálculo estimado de la fecha de terminación.

Los niños y los terrenos baldíos

Hable con sus niños sobre los terrenos baldíos y su limpieza. Explique los peligros de jugar en el lugar o cerca de él y los peligros de los camiones. Recuerde que los conductores de los camiones no pueden ver cada lugar alrededor de sus camiones. Dígale a sus niños que:

- **Sean más cuidadosos cuando crucen la calle.**
- **No jueguen cerca del terreno baldío.**



También **la gente de edad** tiene que ser más cuidadosa. Si usted conoce a una persona de edad en el vecindario, hágale saber que el ruido y el polvo sólo será transitorio.

Tome acción: escriba cartas

Este es un ejemplo de una carta que usted puede escribir a los funcionarios sobre el terreno baldío. Diríjase a la última página para ver una lista de agencias y números telefónicos.

A _____ (escriba el nombre)
 _____ (incluya domicilio)

Fecha _____

Estimado Sr./Estimada Sra. (escriba el nombre):

Yo vivo en la calle _____ y le escribo para expresar mi preocupación sobre el tráfico de la limpieza de las fábricas Valley. Los camiones comienzan a transitar durante la semana cerca de las 6:30 Hs. en la mañana. Este es un **problema** por varias razones. Tenemos ancianos viviendo en esta calle y también tenemos a niños caminando entre las 7:30 y las 8:30 am.

Quisiera pedirle dos cosas. Creo que los camiones no deben empezar a transitar hasta las 9:00 y parar a las 4:30. También creo que la calle Pine sería una buena ruta para los camiones que entran y salen del lugar.

Estoy ansioso por ver este lugar limpio. Pero también me preocupa que esta limpieza sea hecha en la mejor forma para mi vecindario. Por favor llámeme al _____ (su número de teléfono) o escíbame a _____ (su domicilio).

Gracias por su atención.

Atentamente,

_____ (su firma)

_____ (escribid su nombre claramente aqui)



◀ 1er párrafo:

¿Cuál es el problema?

◀ 2do párrafo:

¿Qué está pidiendo?

◀ 3er párrafo:

¿Como pueden ponerse en contacto con usted?

Tome acción: haga llamadas

Llamada telefónica #1: Haciendo un reclamo sobre problemas de tráfico de camiones durante la limpieza.

Diríjase a la última página para ver una lista de agencias y números telefónicos.

Vecino: Hola. Quisiera hablar con alguien sobre la limpieza de las fábricas Valley. Yo vivo en el vecindario.

Operador: Un minuto por favor. Transferiré su llamada.

Planificador: Hola. ¿en qué puedo ayudarle?

Vecino: Estoy llamando por el tráfico de camiones en el sitio de limpieza de las fábricas Valley. Yo vivo en el vecindario y quisiera **◀ Identifíquese** hablar sobre el tránsito de los camiones.

Planificador: ¿Cuál es el problema?

Vecino: Pienso que los camiones comienzan a transitar muy temprano en la mañana **◀ ¿Cuál es el problema?** y están causando problemas a las personas de edad. Los camiones comienzan a salir a las 6:30 de la mañana del terreno. Es muy temprano para el vecindario. Nosotros tenemos a muchos ancianos viviendo acá y este tráfico es un problema. Quisiera que los planificadores supieran de **◀ ¿Qué está pidiendo?** que estoy llamando para decirles que los camiones no deberían empezar hasta las 8:00 de la mañana.

Planificador: Bueno, le daré su mensaje al administrador del tráfico.

Vecino: Gracias. ¿Quién es el administrador del tráfico? ¿Me podría deletrear su nombre.? Antes de colgar, quisiera su nombre y también **◀ Anote el nombre y escríbalo** quisiera darle a usted mi nombre y mi número de teléfono. Le agradecería si alguien me puede llamar. (De su nombre, deletréelo y de su número de teléfono.)

Muchas gracias y espero la llamada _____



(nombre del administrador del tráfico).

Llamada telefónica #2: Averiguando si hay planes para un sitio baldío cerca de su vecindario.

Vecino: Hola. Quisiera hablar con alguien sobre el edificio vacío y el terreno baldío en la calle Fábricas. Yo vivo en el vecindario.

Operador: Un minuto por favor. Transferiré su llamada.

Planificador: Hola. ¿En qué puedo ayudarle?

Vecino: Estoy llamando sobre el edificio vacío y el terreno baldío en la calle **◀ Identifíquese** Fábricas. Vivo en la vecindad y quisiera saber si la municipalidad tiene algún plan para reurbanizarlo o reusar ese terreno. ¿Quién **◀ ¿Qué está pidiendo?** es la persona que podría darme esta información?

Planificador: Necesitará hablar con Srta. Rios. Su número de teléfono es _____.

Vecino: Gracias. ¿Me podría **◀ Anote el nombre y escríbalo** dar su nombre, por favor?

¿Dónde llamar o escribir?

En esta página encontrará números de teléfono importantes así usted puede obtener más información acerca de los terrenos baldíos de su vecindario.

Ciudad de Providence, Departamento de Planificación y Desarrollo

400 Westminster St., Providence, RI 02903
(401) 351-4300

El Departamento de Planificación y Desarrollo hace la revisión de las propuestas y prepara los planes para el desarrollo. Los residentes pueden contactar al Departamento para revisar y asistir con los planes de desarrollo para el vecindario. El Departamento también da préstamos con bajos intereses para el desarrollo económico de proyectos.

Departamento de Medio Ambiente de Rhode Island (RI DEM) Oficina de Administración de Desperdicios (Waste Management en inglés)

235 Promenade St., Providence, RI 02908
(401) 222-2797

El Departamento de Medio Ambiente de Rhode Island (RI DEM – siglas en inglés) es una agencia estatal responsable por la regulación, el reuso y redesarrollo de los terrenos baldíos. RI DEM inspecciona el análisis de la tierra, aire y agua en los terrenos baldíos y la agencia revisa los planes para los futuros usos de estos terrenos. También asegura que el contratista trabaja siguiendo las leyes o reglamentos. RI DEM ayuda a hacer arreglos legales con las personas a cargo del desarrollo de los terrenos baldíos.

Departamento de Salud Pública de Rhode Island Oficina de Evaluación de Riesgos de salud del medio ambiente

Three Capitol Hill, Providence, RI 02908
(401) 222-4948

El Departamento de Salud Pública de Rhode Island – Oficina de Evaluación de Riesgos de salud del medio ambiente provee información sobre los efectos de las sustancias químicas en la salud de la población en sus casas, lugares de trabajos o vecindario.

Agencia de Protección del Medio Ambiente (EPA)

US EPA-NE, One Congress St., Boston, MA 02114-2023
1-800-EPA-REG1 (1-800-372-7341)

El equipo de EPA (siglas en inglés) para los terrenos baldíos provee una variedad de ayuda técnica y financiera incluyendo la evaluación y limpieza de las propiedades de terrenos baldíos. Las actividades incluyen contactar a la comunidad, tratar de generar dinero para la evaluación, entrenamiento para trabajos y conseguir fondos para préstamos y experiencia con materiales peligrosos.

Agencia de Sustancias Tóxicas y Registro de Enfermedades (ATSDR)

Office of Urban Affairs, 1600 Clifton Rd, Atlanta, GA 30333
1-888-42-ATSDR (1-888-422-8737)
en Boston: ATSDR Region 1, US EPA-NE, One Congress St., Suite 1100 (HBT), Boston, MA 02114-2023
(617) 918-1495

ATSDR es la principal agencia federal de salud pública que se dedica a los asuntos de desperdicios peligrosos. ATSDR aconseja a los estados y otras entidades acerca de cuáles pueden ser los problemas de salud derivados de los lugares con químicos y sustancias tóxicas.

Este proyecto quiere agradecer al Plan de Providence y a los residentes de las siguientes comunidades quienes tuvieron un rol muy importante en el desarrollo de este librito. Ellos son: Angela Burgio, Joseph H. Burgio, Carlos Corchado, Marisa Corchado, Mayra Corchado, William O'Brien, David G. Sifuentes, Rosa Solis, Victor Solis, y J. Taylor.

La asistencia técnica para este proyecto fue provista por Christina Zarcadoulas, investigación y desarrollo del librito; Eva Anderson, diseño; Miguel Rojas traducción; y Alyson McCann, URI

Home*A*Syst; en colaboración con el Departamento de Salud Pública de Rhode Island – Oficina de Evaluación de Riesgos de salud del medio ambiente.

Asistencia Federal: ATSDR proveyó 69% del total del costo del proyecto, contribución federal \$ 63.220. El Departamento de Salud Pública de Rhode Island proveyó 31% del costo total y contribución interna de \$ 27.924 (1997 Omnibus Consolidated Appropriations Act Section 507).

Patrick Dowling

From: Patrick Dowling
Sent: Thursday, June 16, 2011 9:34 AM
To: Duncan Speel (DCSpeel@woonsockethousing.org)
Cc: 'Cynthia Gianfrancesco'; 'Talbot, Jane'
Subject: Sunnyside Avenue Property Environmental Assessment
Attachments: PJD_C&C Public Notice Package English_reduced_20110614.pdf; PJD_C&C Public Notice Package Spanish Reduced_20110614.pdf

Hi Duncan,

As we discussed yesterday, I have sent in the mail to your attention a package of information intended for owners and tenants of properties abutting the property at which we are going to be doing an environmental investigation. I have attached a PDF of the English and Spanish versions of the package to this email.

We are conducting this work at the request of the City of Woonsocket, under a brownfield grant program funded and administered by the Rhode Island Department of Environmental Management.

As this property has been abandoned for many years, the City and RIDEM are taking the initiative to try to spur interest in the beneficial reuse of the property, which would include the clean-up of any environmental issues caused by the historical industrial activity and fire.

As the property is within an Environmental Justice Focus Area (more info available at: <http://www.dem.ri.gov/envequity/index.htm>) we are conducting expanded outreach to inform, educate, and encourage participation of the local community in the process.

Therefore, we would like to make the attached information available to the tenants of the Veterans Memorial Housing Development at Bourdon Boulevard and the additional property owned by WHA at 115 Sunnyside Avenue. I understand that you have a meeting today with a board of stakeholders from this development, during which you will discuss this project and dissemination of the information included in this public notice.

Please let me know if you would like additional copies of these packages for posting in communal spaces or targeted distribution.

Thank you for your assistance.



Patrick J. Dowling, CPG
Project Manager

Fuss & O'Neill, Inc | 317 Iron Horse Way, Suite 204 | Providence, RI 02908

401.861.3070 x4568 | pdowling@fando.com | cell: 401.464.1846 | www.fando.com

This e-mail message and any files transmitted with it are the exclusive intellectual property of Fuss & O'Neill. This message and any attached files may be privileged and confidential. If you have received this message in error, please delete this e-mail and attached files and immediately notify Fuss & O'Neill by sending a reply e-mail to the sender of this message. Thank you.

| Parcel | Property Address | Owner | | Mailing Address | City, State, and ZIP |
|--------|------------------------|---|--------------------|------------------------|---------------------------|
| | | Last | First | | |
| 3-7 | 176 Sunnyside Avenue | CKG Development Co. LLC | | 176 Sunnyside Avenue | Woonsocket, RI 02895 |
| 3-41 | Mason Street | Providence & Worcester Railroad | | PO BOX 16551 | Worcester, MA 01601-6551 |
| 3-97 | 92 Sunnyside Avenue | O'Donnell PJ & Sons Inc. | | PO BOX 206 | Woonsocket, RI 02895-0780 |
| 3-39 | 203 Sunnyside Avenue | Ruiz | Samuel & Marian | 203 Sunnyside Avenue | Woonsocket, RI 02895 |
| 3-71 | 151 Sunnyside Avenue | Houle | Barry & Karabeth | 151 Sunnyside Avenue | Woonsocket, RI 02895 |
| 3-73 | 115 Sunnyside Avenue | Woonsocket Housing Authority c/o Duncan Speel | | 679 Social Street | Woonsocket, RI 02895-2026 |
| 3-76 | 195 Sunnyside Avenue | Koback | Annabelle | 195 Sunnyside Avenue | Woonsocket, RI 02895-5105 |
| 3-48 | 2 Bourdon Boulevard | Woonsocket Housing Authority c/o Duncan Speel | | 679 Social Street | Woonsocket, RI 02895-2026 |
| 4-4 | 11 Roberta Avenue | Innis | Marc & Kim | 11 Roberta Avenue | Woonsocket, RI 02895 |
| 4-270 | 27 Roberta Avenue | Owens | Howard | 27 Roberta Avenue | Woonsocket, RI 02895 |
| 4-269 | 55 Roberta Avenue | Baillargeon | Roger & Roberta | 55 Roberta Avenue | Woonsocket, RI 02895-5729 |
| 4-268 | 73 Roberta Avenue | Morel | Paula & Marguerite | 73 Roberta Avenue | Woonsocket, RI 02895-2404 |
| 4-250 | 168 Rockland Avenue | Morse Resident | Robert | 11 Austine Street | Blackstone, MA 01504 |
| 4-136 | 40 Roberta Avenue | Robbins | Russell & Barbara | 40 Roberta Avenue | Woonsocket, RI 02895-5730 |
| 4-274 | 20 Roberta Avenue | Morgan Resident | Polly | 45 Division Street | Woonsocket, RI 02895 |
| 4-67 | 4 Roberta Avenue | Diabasco | Dennis | 20 Roberta Avenue | Woonsocket, RI 02895 |
| 4-71 | 50 North Ballou Street | Dowling | John & Francoise | 4 Roberta Avenue | Woonsocket, RI 02895 |
| 4-271 | 268 Asylum Street | Souraj | Sengphet | 50 North Ballou Street | Woonsocket, RI 02895 |
| 4-272 | 282 Asylum Street | Rodriguez | Enrique & Yudis | 268 Asylum Street | Woonsocket, RI 02895 |
| 4-273 | 298 Asylum Street | Reed | Heather | 282 Asylum Street | Woonsocket, RI 02895 |
| 3-42 | Mason Street | Rhode Island Economic Development Corporation | | 298 Asylum Street | Woonsocket, RI 02895 |
| 3-90 | 160 Asylum Street | Peloquin | Jason & Dawn | 1 CVS Drive | Woonsocket, RI 02895 |
| 3-84 | 146 Asylum Street | Fadgen Resident | Kerry & Annette | 160 Asylum Street | Woonsocket, RI 02895 |
| 3-96 | 26 Ruby Street | Zamora | Jefferson | 242 Bailey Street | Woonsocket, RI 02895 |
| 3-103 | 25 Ruby Street | Azverde | Robert & Lisa | 146 Asylum Street | Woonsocket, RI 02895 |
| | | | | 26 Ruby Street | Woonsocket, RI 02895 |
| | | | | 25 Ruby Street | Woonsocket, RI 02895 |

Other Stakeholders

| | | | | | |
|---------------------------|---------------------------------------|--------------------|----------------------|----------------------|----------------------|
| Ms. Cynthia Gianfrancesco | Principal Environmental Scientist | RIDEM | 235 Promenade Street | Providence, RI 02908 | |
| Ms. Jane Talbot | Deputy Director of Community Planning | City of Woonsocket | 169 Main Street | Woonsocket, RI 02895 | |
| Mr. Matthew Wojcik | Director of Economic Development | City of Woonsocket | 169 Main Street | Woonsocket, RI 02895 | |
| Mr. Leo Fontaine | Mayor | City of Woonsocket | 169 Main Street | Woonsocket, RI 02895 | |
| Ms. Andrea Bicki | Clerk | City of Woonsocket | 169 Main Street | Woonsocket, RI 02895 | |
| Mr. Marc A. Cote | State Senator | | 82 Smith Street | State House Room 317 | Providence, RI 02903 |
| Mr. Jon D. Brien | State Representative | | 82 Smith Street | State House Room 323 | Providence, RI 02903 |

Appendix B

GPR Memorandum

MEMORANDUM

TO: Patrick Dowling and Steven Hubbs, Fuss & O'Neill

FROM: Don Wilson, Fuss & O'Neill

DATE: June 24, 2011

RE: Former Woonsocket Color and Chemical
176 Sunnyside Avenue, Woonsocket, Rhode Island

Fuss & O'Neill completed a Ground-Penetrating Radar (GPR) survey at the above-referenced site on June 22 and 23, 2011. These services were completed to determine if underground storage tanks (USTs) were still present on select portions of the property. Based on the results of a Phase I Environmental Site Assessment (ESA), concerns have been raised over whether former USTs referenced in files may still be on the site.

DISCUSSION

To determine if USTs are still present on the site, a GPR survey was conducted over select portions of the site, that the Town cleared prior to our survey. Fuss & O'Neill used a calibrated Geophysical Survey System, Inc. SIR-2000™ with a 400 Megahertz (MHZ) antenna to conduct the GPR survey. The survey area included cleared areas adjacent Sunnyside Avenue in the vicinity of the former site building. The approximate survey area is shown on the attached map and field sketches 1 and 2 in orange highlight.

Based on the GPR records, one anomaly indicative of a UST was identified in the survey area. This anomaly is located in the north central portions of the survey area, adjacent to Sunnyside Avenue. The area of this suspect UST anomaly is shown on the attached field sketch in pink highlight.

Based on experience, this anomaly has a 20 to 30% chance of being a UST. The moderate signature "hump" of a suspect UST was identified in the records; however, the signature flat surface in the records when scanning the length of the UST was weaker and did not give a strong signal. It is very likely that this anomaly could be a cut off utility associated with the former site building.

No other anomalies indicative of USTs were identified.

Additional anomalies were identified during the GPR survey and were marked on the attached field sketch. These anomalies did not display the typical GPR characteristics for a UST and are likely buried utilities or other non-metal buried subsurface features (boulders, tree stumps, concrete, i.e.).

- END OF MEMORANDUM -



FUSS & O'NEILL
Disciplines to Deliver

PREPARED BY
JEW

DATE
06/22/11

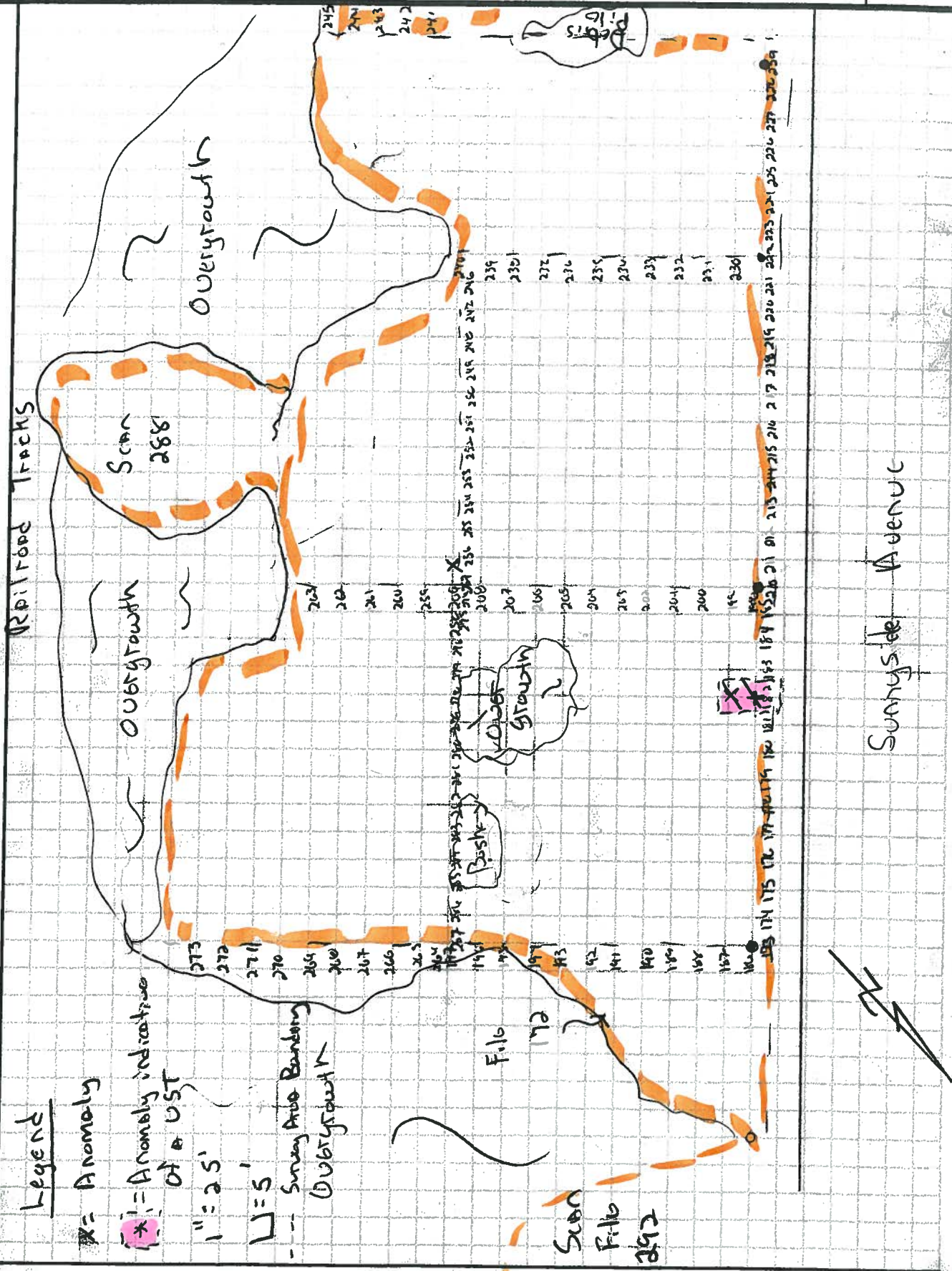
CHECKED BY

DATE

PROJECT NO.
20091532A

GPR Survey - 176 Sunnyside Avenue, Woonsocket RI

SHEET NO.
1 of 2



Legend

X = Anomaly

[*] = Anomaly indicative of a UST

1" = 2.5'

U = 5'

--- Survey Area Boundary

○ Overgrowth

Fib

Scan

Fib

292





FUSS & O'NEILL
Disciplines to Deliver

PREPARED BY
DEW

DATE
06/23/11

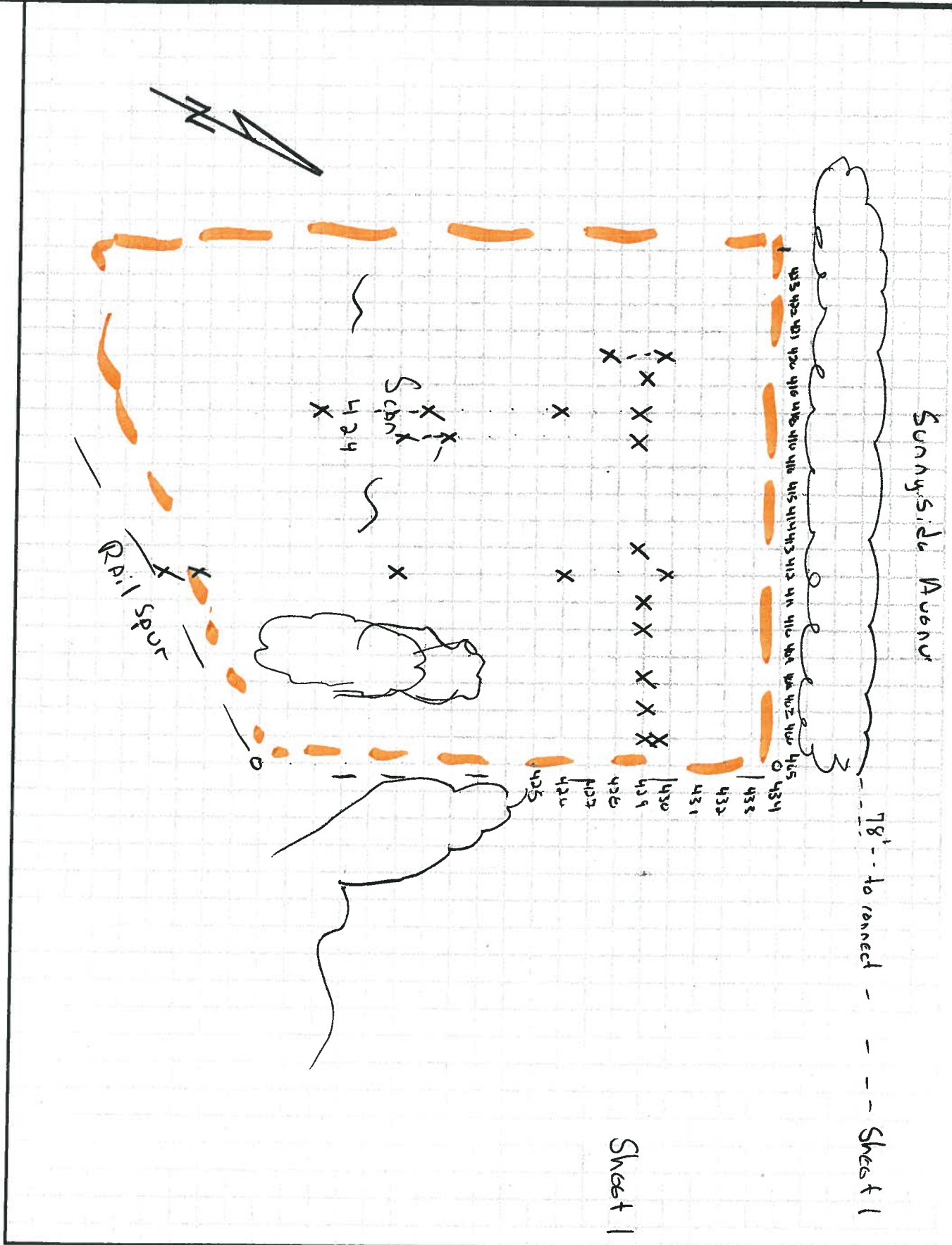
CHECKED BY

DATE

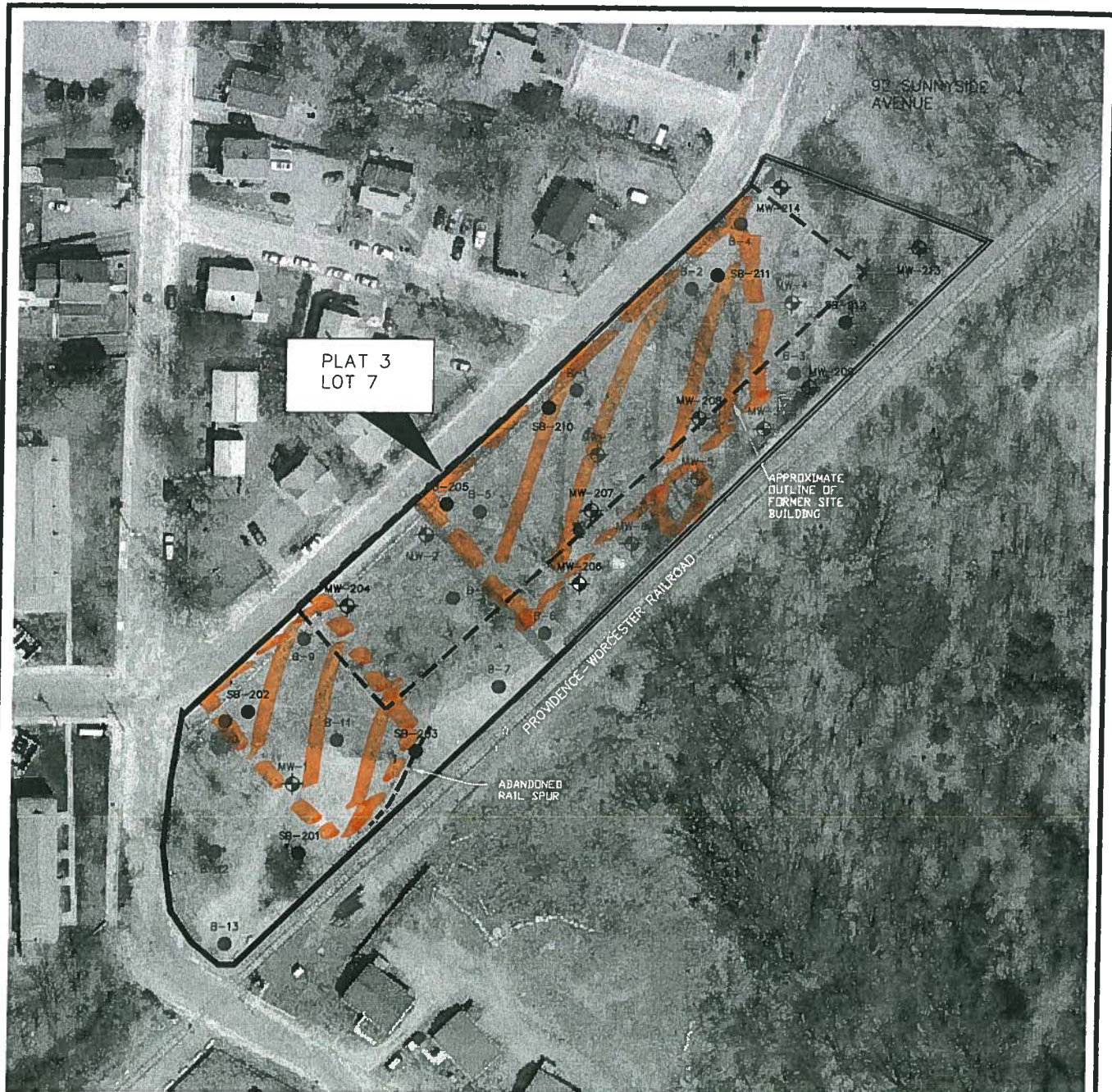
PROJECT NO
2009/1532A

GPR Survey - 176 Sunnyside Avenue, Woonsocket, RI

SHEET NO.
2 of 2



File Path: J:\DWG\2008\1532A\10\Environmental\Plan\Map\2008\1532A\10-STP01-QAPP.dwg. Layout: 08.5x11-P_R171-SM-COLOR. Plotted: Tue, Apr 19, 2011, 1:11 PM. User: rpgagnon
 Plotter: ACROPLOT.PC3 CTB File: FO 2008 COLOR (HALF).CTB
 LAYER STATE:



MAP REFERENCES AND NOTES

2008 AERIAL PHOTOGRAPHY. SOURCE: THE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS). SITE FEATURES ARE APPROXIMATE. BUILDING OUTLINE OBTAINED FROM 1988 AERIAL PHOTOGRAPH

LEGEND

- PROPOSED MONITORING WELL MW-201
- PROPOSED SOIL BORING SB-202
- EXISTING MONITORING WELL MW-1
- EXISTING SOIL BORING B-1
- PROPOSED GROUND PENETRATING RADAR SURVEY AREA

| | |
|---------------|-----------|
| SCALE | |
| HORIZ.: | 1" = 100' |
| VERT.: | |
| DATUM: | |
| HORIZ.: | |
| VERT.: | |
| | |
| GRAPHIC SCALE | |

FUSS & O'NEILL
Disciplines to Deliver
 317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070
 www.fuso.com

RIDEM

SITE PLAN AND SAMPLING LOCATIONS

FORMER WOONSOCKET COLOR AND CHEMICAL

WOONSOCKET RHODE ISLAND

PROJ. No. 20091532.A10
 DATE APRIL 2011

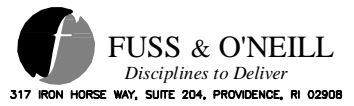
FIGURE 2

Appendix C

Soil Boring Logs and Monitoring Well Completion Reports

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: MW-201
 Project Number: 2009-1532 A20



Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/24/11 - 06/24/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 15.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -2.1' to: 10.00'
 Total Depth: 15.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 10.00' to: 15.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Peristaltic pump on type: Native Material fm: 1.00' to: 6.00'
 06/27/2011 type: Bentonite Pellets fm: 6.00' to: 8.00'
 No refusal. type: #0 Sand fm: 8.00' to: 15.00'
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|-------|
| 0 | | | | 0-2.0': Sand, F and silt; trace gravel; trace wood; dark yellowish brown (10YR 4/4), dry. (Fill). 2.0-5.0': Sand, M and gravel; trace C sand; olive brown (2.5Y 4/4), dry. (Fill). | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | | | 0 ppm |
| -4 | 4 | N/A | | 5.0-9.0': Sand, M and gravel; trace C sand; olive brown (2.5Y 4/4), dry. (Fill). 9.0-10': SAND, F-M; trace gravel; yellowish brown (10YR 5/6), moist. | | FI | | 0 ppm |
| -6 | 6 | | | | | | | 0 ppm |
| -8 | 8 | | | | | | | 0 ppm |
| -10 | 10 | -25, -26 | | 10-12': SAND, F-M; trace gravel; yellowish brown (10YR 5/6), wet. 12-13': SAND, F, dark grayish brown (2.5Y 4/2), wet. 13-13.5': SAND, M; trace C sand; yellowish brown (10YR 5/6), wet. 13.5-15': SAND, F, dark grayish brown (2.5Y 4/2), wet. | | SP | | 0 ppm |
| -12 | 12 | | | | | | | 0 ppm |
| -14 | 14 | | | | | | | 0 ppm |
| -16 | 16 | | | End of boring at 15 feet. | | | | 0 ppm |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-202
 Project Number: 2009-1532 A20



| | | | |
|--|-------------------------|----------------------------|-----------------------|
| Location: | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Soil Boring | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 06/24/11 - 06/24/11 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Total Depth: 15.00' | Coordinate Y: 0.000 | Back Fill: | |
| Remarks: Field Instrument: OVM MiniRAE 2000 No refusal. | | type: Native Material | fm: 0.00' to: 15.00' |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------|
| 0 | | -27 | | SAND, M; trace gravel; light gray (2.5Y 7/2), dry. | | | 0 ppm |
| -2 | 2 | N/A | | | | | |
| -4 | 4 | N/A | | 5.0-9.0': SAND, M-C; trace gravel; light yellowish brown (2.5Y 6/3), moist. 9.0-10': SAND, F, light brownish gray (2.5Y 6/2), moist. | | | 0 ppm |
| -8 | 8 | | | | | SP | 0 ppm |
| -10 | 10 | -28 | | SAND, F, light brownish gray (2.5Y 6/2), wet. | | | 0 ppm |
| -12 | 12 | | | | | | |
| -14 | 14 | | | | | | |
| -16 | 16 | | | End of boring at 15 feet. | | | |
| -18 | 18 | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

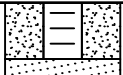

Site Id: MW-203
 Project Number: 2009-1532 A20



Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/24/11 - 06/24/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 18.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -1.9' to: 8.00'
 Total Depth: 20.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 8.00' to: 18.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Peristaltic pump on 06/27/2011 type: Native Material fm: 1.00' to: 6.00'
 No refusal. type: Bentonite Pellets fm: 6.00' to: 8.00'
 type: #0 Sand fm: 8.00' to: 18.00'
 type: Native Material fm: 18.00' to: 20.00'

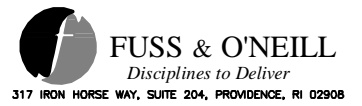
| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|-------|
| 0 | -20 | | | 0-3.0': Sand, F-M and gravel; trace coal; trace coal ash; light olive gray (2.5Y 5/4), dry. (Fill). 3.0-5.0': Sand, F-M and gravel; trace coal; trace coal ash; very dark grayish brown (10YR 3/2), dry. (Fill). | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | | | 0 ppm |
| -4 | 4 | N/A | | 5.0-7.0': SAND, F-M; trace gravel; light yellowish brown (10YR 6/4), dry. 7.0-10': SAND, F, light brownish gray (2.5Y 6/2), moist. | | SP | | 0 ppm |
| -6 | 6 | | | | | | | 0 ppm |
| -8 | 8 | | | | | | | 0 ppm |
| -10 | 10 | -21 | | Sand, F and silt; olive gray (5Y 5/2) with minor thin layers of black staining, wet. | | | | 0 ppm |
| -12 | 12 | | | | | | | |
| -14 | 14 | N/A | | Sand, F and silt; olive gray (5Y 5/2), wet. | | SM | | 0 ppm |
| -16 | 16 | | | | | | | |

Checked By: SAH

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---------------------------|-------------|-----------|---|-----|
| -18 | 18 | | | | | |  | |
| -20 | 20 | | | End of boring at 20 feet. | | |  | |
| -22 | 22 | | | | | | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | | | | | | | |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-204
 Project Number: 2009-1532 A20



| | | | |
|---|-------------------------|----------------------------|-----------------------|
| Location: | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Soil Boring | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 06/24/11 - 06/24/11 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Total Depth: 19.50' | Coordinate Y: 0.000 | Back Fill: | |
| Remarks: Field Instrument: OVM MiniRAE 2000 | | type: Native Material | fm: 0.00' to: 19.50' |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------|
| 0 | | -29 | | SAND, F-M; trace gravel; light yellowish brown (2.5Y 6/4), dry. | | | 0 ppm |
| -2 | 2 | N/A | | | | | |
| -4 | 4 | N/A | | SAND, F-M; trace gravel; light yellowish brown (2.5Y 6/4), dry. | | | 0 ppm |
| -6 | 6 | | | | | SP | |
| -8 | 8 | | | | | | |
| -10 | 10 | N/A | | 10-13': SAND, F-M; trace gravel; light yellowish brown (2.5Y 6/4), moist. 13-15': SAND, F, grayish brown (2.5Y 5/2), moist. | | | 0 ppm |
| -12 | 12 | | | | | | 0 ppm |
| -14 | 14 | | | | | | |
| -16 | 16 | -30 | | SAND, F; little silt; grayish brown (2.5Y 5/2), wet. | | SM | 0 ppm |
| -18 | 18 | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

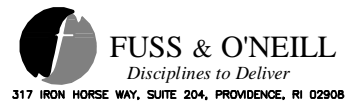
Site Id: SB-204
 Project Number: 2009-1532 A20



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-----|
| -20 | 20 | | | Refusal and end of boring at 19.5 feet. | | | |
| -22 | 22 | | | | | | |
| -24 | 24 | | | | | | |
| -26 | 26 | | | | | | |
| -28 | 28 | | | | | | |
| -30 | 30 | | | | | | |
| -32 | 32 | | | | | | |
| -34 | 34 | | | | | | |
| -36 | 36 | | | | | | |
| -38 | 38 | | | | | | |
| -40 | 40 | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-205
 Project Number: 2009-1532 A20



| | | | |
|--|-------------------------|----------------------------|-----------------------|
| Location: | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Soil Boring | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 06/24/11 - 06/24/11 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Total Depth: 20.00' | Coordinate Y: 0.000 | Back Fill: | |
| Remarks: Field Instrument: OVM MiniRAE 2000 No refusal. | | type: Native Material | fm: 0.00' to: 20.00' |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------|
| 0 | | -18 | | 0-2.0': SAND, F-M; little gravel; trace coal ash; brown (10YR 4/3), dry. (Fill). 2.0-5.0': SAND, M; trace C sand; trace gravel; light yellowish brown (2.5Y 6/3), dry. | | FI | 0 ppm |
| -2 | 2 | N/A | | | | | 0 ppm |
| -4 | 4 | N/A | | | | | 0 ppm |
| -6 | 6 | N/A | | 5.0-6.0': SAND, M; trace C sand; light yellowish brown (2.5Y 6/3), dry. 6.0-7.0': SAND, M-C, light yellowish brown (2.5Y 6/3), dry. 7.0-10': SAND, M; trace C sand; trace gravel; light yellowish brown (2.5Y 6/3), dry. | | SP | 0 ppm |
| -8 | 8 | | | | | | 0 ppm |
| -10 | 10 | N/A | | 10-12': SAND, M; trace C sand; trace gravel; light yellowish brown (2.5Y 6/3), dry. 12-14': SAND, C; little M sand; trace gravel; light yellowish brown (2.5Y 6/3), dry. 14-15': SAND, F, grayish brown (2.5Y 5/2), moist. | | | 0 ppm |
| -12 | 12 | | | | | | 0 ppm |
| -14 | 14 | | | | | SW | 0 ppm |
| -16 | 16 | -19 | | Sand, F and silt; light olive brown (2.5Y 5/3), wet. | | | 0 ppm |
| -18 | 18 | N/A | | | | SM | 0 ppm |

Project Name: Color and Chemical
Project Location: Woonsocket, Rhode Island

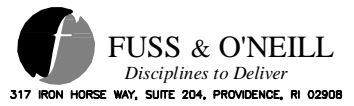
Site Id: SB-205
Project Number: 2009-1532 A20



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OM |
|-----------|-------|------------|----------|---------------------------|-------------|-----------|----|
| -20 | 20 | | | End of boring at 20 feet. | | | |
| -22 | 22 | | | | | | |
| -24 | 24 | | | | | | |
| -26 | 26 | | | | | | |
| -28 | 28 | | | | | | |
| -30 | 30 | | | | | | |
| -32 | 32 | | | | | | |
| -34 | 34 | | | | | | |
| -36 | 36 | | | | | | |
| -38 | 38 | | | | | | |
| -40 | 40 | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: MW-206
 Project Number: 2009-1532 A20



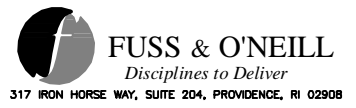
Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/23/11 - 06/23/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 18.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -2.2' to: 8.00'
 Total Depth: 20.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 8.00' to: 18.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Peristaltic pump on type: Native Material fm: 1.00' to: 4.00'
 06/27/2011 type: Bentonite Pellets fm: 4.00' to: 6.00'
 No refusal. type: #0 Sand fm: 6.00' to: 20.00'
 type: fm: to:


| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|---------|
| 0 | | | | | | | MP. EL. 0.00 | |
| -12 | | | | Sand, F-M and gravel; very dark grayish brown (2.5Y 3/2), dry. (Fill). | | FI | | 0 ppm |
| -2 | 2 | N/A | | | | | | |
| -4 | 4 | | | | | | | |
| -6 | 6 | N/A | | 5.0-8.0': SAND, F, light gray (2.5Y 7/1) with minor orange laminations (redox features), moist. 8.0-10': SAND, F, dark gray staining. Strong petroleum odor. | | | | 0 ppm |
| -8 | 8 | | | | | | | 850 ppm |
| -10 | 10 | -13 | | SAND, F, gray (2.5Y 5/1) with gray staining. Strong petroleum odor. | | | | 850 ppm |
| -12 | 12 | | | | | SP | | |
| -14 | 14 | | | | | | | |
| -16 | 16 | N/A | | SAND, F, gray (2.5Y 5/1) with slight gray staining. Moderate petroleum odor. | | | | 800 ppm |

Checked By: SAH

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: MW-206
 Project Number: 2009-1532 A20



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---------------------------|-------------|-----------|---|-----|
| -18 | 18 | | | | | |  | |
| -20 | 20 | | | End of boring at 20 feet. | | | | |
| -22 | 22 | | | | | | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | | | | | | | |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island



Site Id: MW-207
 Project Number: 2009-1532 A20



Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/24/11 - 06/24/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 15.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -2.2' to: 10.00'
 Total Depth: 20.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 10.00' to: 15.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Peristaltic pump on type: Native Material fm: 1.00' to: 6.00'
 06/27/2011. type: Bentonite Pellets fm: 6.00' to: 8.00'
 No refusal. type: #0 Sand fm: 8.00' to: 15.00'
 type: Native Material fm: 15.00' to: 20.00'

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|-------|
| 0 | | | | 0-3.0': Sand, F-M and gravel; trace brick; trace coal; brown (10YR 4/3), dry. (Fill). 3.0-5.0': SAND, F-M; trace C sand; trace gravel; light yellowish brown (2.5Y 6/3), dry. (Fill). | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | | | 0 ppm |
| -4 | 4 | | | | | | | 0 ppm |
| -6 | 6 | N/A | | 5.0-8.0': SAND, F-M; little gravel; trace C sand; light yellowish brown (2.5Y 6/3), dry. (Fill). 8.0-9.0': SAND, F, pale yellow (2.5Y 7/3), moist. 9.0-10': SAND, F; light gray (2.5Y 7/1) with yellow laminations (possible redox), wet. | | | | 0 ppm |
| -8 | 8 | | | | | | | 0 ppm |
| -10 | 10 | -17 | | SAND, F; trace silt; light gray (2.5Y 7/1), wet. | | SP | | 3 ppm |
| -12 | 12 | | | | | | | 3 ppm |
| -14 | 14 | | | | | | | 0 ppm |
| -16 | 16 | N/A | | SAND, F; little silt; light gray (2.5Y 7/1), wet. | | | | 0 ppm |

Checked By: SAH

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---------------------------|---|-----------|-------------------|-----|
| -18 | 18 | | | |  | SM | | |
| | | | | | | | | |
| -20 | 20 | | | End of boring at 20 feet. |  | | | |
| | | | | | | | | |
| -22 | 22 | | | | | | | |
| | | | | | | | | |
| -24 | 24 | | | | | | | |
| | | | | | | | | |
| -26 | 26 | | | | | | | |
| | | | | | | | | |
| -28 | 28 | | | | | | | |
| | | | | | | | | |
| -30 | 30 | | | | | | | |
| | | | | | | | | |
| -32 | 32 | | | | | | | |
| | | | | | | | | |
| -34 | 34 | | | | | | | |
| | | | | | | | | |
| -36 | 36 | | | | | | | |
| | | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island



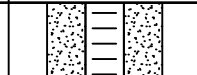
Site Id: MW-208
 Project Number: 2009-1532 A20



Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/23/11 - 06/23/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 20.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -2.5' to: 10.00'
 Total Depth: 20.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 10.00' to: 20.00'
 Remarks: Field Instrument: OVM MiniRAE 200 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Peristaltic pump on type: Native Material fm: 1.00' to: 6.00'
 06/27/2011 type: Bentonite Pellets fm: 6.00' to: 8.00'
 No refusal. type: #0 Sand fm: 8.00' to: 20.00'
 type: fm: to:

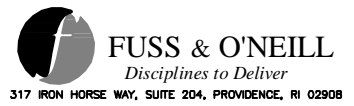
| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|------|---------|
| | | | | | | | MP. | EL. | |
| 0 | | -07 | | 0-4.0': SAND, M-C; little gravel; very dark grayish brown (2.5Y 3/2), dry. 4.0-5.0': SAND, F, light gray (2.5Y 7/2), dry. | | | | 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | SW | | | |
| -4 | 4 | N/A | | SAND, F, light gray (2.5Y 7/2), dry. | | | | | 0 ppm |
| -6 | 6 | | | | | SP | | | 0 ppm |
| -8 | 8 | | | | | | | | |
| -10 | 10 | -08, -09 | | Sand, F and silt; gray (2.5Y 5/1) with discrete 5 millimeter (approximately) layers of black sand/silt, wet. Strong petroleum odor. | | | | | 900 ppm |
| -12 | 12 | | | | | | | | |
| -14 | 14 | | | | | | | | |
| -16 | 16 | N/A | | Sand, F and silt; gray (2.5Y 5/1) with discrete 5 millimeter (approximately) layers of black sand/silt, wet. Strong petroleum odor. | | SM | | | 300 ppm |

Checked By: SAH

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|---|---------------------------|---|-----------|---|-----|
| -18 | 18 | |  | |  | |  | |
| -20 | 20 | | | End of boring at 20 feet. | | | | |
| -22 | 22 | | | | | | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | | | | | | | |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island



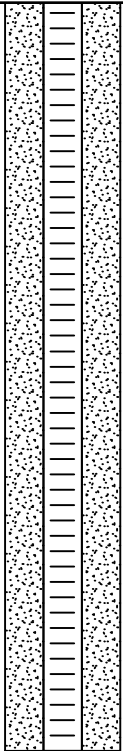



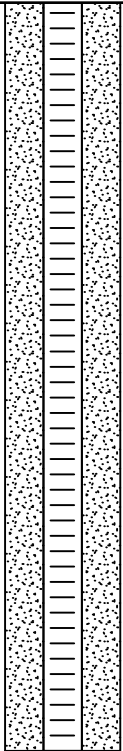

Site Id: MW-209
 Project Number: 2009-1532 A20



| | | | |
|--|-------------------------|--|-----------------------|
| Location: | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Monitoring Well, Shallow | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 06/23/11 - 06/23/11 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Completed Depth: 27.00' | Coordinate Y: 0.000 | Blank Casing: type: PVC dia: 2.00in fm: -2.7' to: 17.00' | |
| Total Depth: 27.00' | | Screens: type: Slotted size: 0.010in dia: 2.00in fm: 17.00' to: 27.00' | |
| Remarks: Field Instrument: OVM MiniRAE 2000 Development Method: Peristaltic pump on 06/27/2011 | | Annular Fill: type: Concrete fm: 0.00' to: 1.00' type: Native Material fm: 1.00' to: 13.00' type: Bentonite Pellets fm: 13.00' to: 15.00' type: #0 Sand fm: 15.00' to: 27.00' type: fm: to: | |

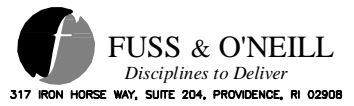
| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|------|-------|
| | | | | | | | MP. | EL. | |
| 0 | -05 | | | SAND, M-C; little gravel; light brownish gray (2.5Y 6/2), dry. | | SW | | 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | | | | |
| -4 | 4 | N/A | | SAND, M; trace C sand; light brownish gray (2.5Y 6/2), dry. | | SP | | | 0 ppm |
| -6 | 6 | | | | | | | | |
| -8 | 8 | | | | | | | | |
| -10 | 10 | N/A | | SAND, M; trace C sand; light brownish gray (2.5Y 6/2), dry. | | SP | | | 0 ppm |
| -12 | 12 | | | | | | | | |
| -14 | 14 | | | | | | | | |
| -16 | 16 | | | | | | | | |

Checked By: SAH

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OM |
|-----------|-------|------------|---|---|---|-----------|--|---------|
| -18 | 18 | | | | | | | |
| -20 | 20 | -06 |  | 20-22': SAND, F; trace silt; black staining, moist. Slight odor. 22-25': Sand, F and silt; olive gray (5Y 5/2), wet. |  | SM |  | 3 ppm |
| -22 | 22 | | | | | | | 1.5 ppm |
| -24 | 24 | N/A |  | | | | | |
| -26 | 26 | |  | 25-26': Sand, F and silt; olive gray (5Y 5/2) with minor black staining, wet. Slight odor. 26-27': Sand, F-M and silt; little gravel; olive gray (5Y 5/2), wet. No odor. |  | SW |  | 4 ppm |
| -27 | 27 | |  | Refusal and end of boring at 27 feet. | | | | 3 ppm |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island


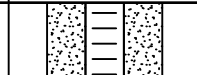

Site Id: MW-210
 Project Number: 2009-1532 A20



Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/23/11 - 06/23/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 20.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -2.3' to: 10.00'
 Total Depth: 20.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 10.00' to: 20.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Peristaltic pump on type: Native Material fm: 1.00' to: 6.00'
 06/27/2011 type: Bentonite Pellets fm: 6.00' to: 8.00'
 No refusal. type: #0 Sand fm: 8.00' to: 20.00'
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|------|----------|
| | | | | | | | MP. | EL. | |
| 0 | | | | Sand, F-M and gravel; very dark grayish brown (2.5Y 3/2), dry. (Fill). | | | | 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | FI | | | |
| -4 | 4 | | | | | | | | |
| -6 | 6 | N/A | | SAND, F, light gray (2.5Y 7/1), dry. | | | | | 0 ppm |
| -8 | 8 | | | | | | | | |
| -10 | 10 | -11 | | 10-14': Sand, F and silt; dark gray staining. Strong petroleum odor. 14-15': Sand, F and silt; dark gray (2.5Y 4/1) with minor 5 millimeter (approximately) layers of dark gray staining, wet. Slight petroleum odor. | | SP | | | 1000 ppm |
| -12 | 12 | | | | | | | | |
| -14 | 14 | N/A | | | | | | | 150 ppm |
| -16 | 16 | N/A | | Sand, F and silt; dark gray (2.5Y 4/1) with minor 2 millimeter (approximately) layers of dark gray staining, wet. | | | | | 150 ppm |

Checked By: SAH

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---------------------------|---|-----------|---|-----|
| -18 | 18 | | | |  | SM |  | |
| -20 | 20 | | | End of boring at 20 feet. |  | | | |
| -22 | 22 | | | | | | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | | | | | | | |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-211
 Project Number: 2009-1532 A20



| | | | |
|--|-------------------------|----------------------------|-----------------------|
| Location: | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Soil Boring | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 06/24/11 - 06/24/11 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Total Depth: 20.00' | Coordinate Y: 0.000 | Back Fill: | |
| Remarks: Field Instrument: OVM MiniRAE 2000 No refusal. | | type: Native Material | fm: 0.00' to: 20.00' |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------|
| 0 | | -31 | | 0-2.0': SAND, F-M; little gravel; trace coal; trace concrete; black (10YR 2/1), dry. (Fill). 2.0-5.0': SAND, M-C; trace gravel; light grayish brown (2.5Y 6/2), dry. | | FI | 0 ppm |
| -2 | 2 | N/A | | | | SW | 0 ppm |
| -4 | 4 | N/A | | SAND, F; light gray (2.5Y 7/2), dry. | | SP | 0 ppm |
| -6 | 6 | N/A | | | | | |
| -8 | 8 | N/A | | | | | |
| -10 | 10 | N/A | | Sand, F and silt; light gray (2.5Y 7/2), wet. | | | 0 ppm |
| -12 | 12 | N/A | | | | | |
| -14 | 14 | N/A | | | | | |
| -16 | 16 | N/A | | 15-19': Sand, F and silt; light brownish gray (2.5Y 6/2), wet. 19-20': Sand, F and silt; light brownish gray (2.5Y 6/2) with closely spaced black layers, wet. No odor. | | SM | 0 ppm |
| -18 | 18 | N/A | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

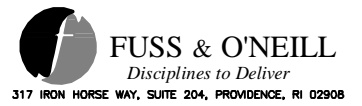
Site Id: SB-211
 Project Number: 2009-1532 A20



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|---------------------------|-------------|-----------|-------|
| | | -32 | | | | | |
| -20 | 20 | | | End of boring at 20 feet. | | | 0 ppm |
| -22 | 22 | | | | | | |
| -24 | 24 | | | | | | |
| -26 | 26 | | | | | | |
| -28 | 28 | | | | | | |
| -30 | 30 | | | | | | |
| -32 | 32 | | | | | | |
| -34 | 34 | | | | | | |
| -36 | 36 | | | | | | |
| -38 | 38 | | | | | | |
| -40 | 40 | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-212
 Project Number: 2009-1532 A20

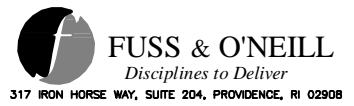


| | | | |
|---|-------------------------|----------------------------|-----------------------|
| Location: | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Soil Boring | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 06/24/11 - 06/24/11 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Total Depth: 15.00' | Coordinate Y: 0.000 | Back Fill: | |
| Remarks: Field Instrument: OVM MiniRAE 2000 | | type: Native Material | fm: 0.00' to: 15.00' |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |
| | | type: | fm: to: |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|---------|
| 0 | | -22 | | 0-4.0': Sand, F-M and gravel; light yellowish brown (2.5Y 6/3), dry. (Fill). 4.0-5.0': SAND, F-M; trace wood; trace brick; trace charcoal; trace coal ash; black (10YR 2/1), dry. (Fill). | | FI | 0 ppm |
| -2 | 2 | N/A | | | | | |
| -4 | 4 | | | | | | 0 ppm |
| -6 | 6 | -23 | | SAND, F, faint pink staining. Strong odor (possible mineral spirits). | | | 100 ppm |
| -8 | 8 | | | | | | |
| -10 | 10 | N/A | | SAND, F, gray (5Y 5/1), wet. Slight petroleum odor. | | SP | 3 ppm |
| -12 | 12 | | | | | | |
| -14 | 14 | | | | | | |
| -16 | 16 | | | End of boring at 15 feet. | | | |
| -18 | 18 | | | | | | |



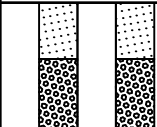


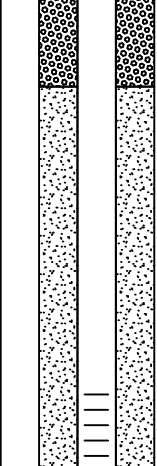


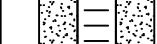
Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: MW-213
 Project Number: 2009-1532 A20



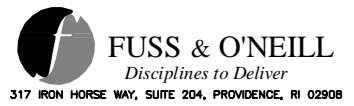
Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/23/11 - 06/23/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 34.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -1.7' to: 24.00'
 Total Depth: 34.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 24.00' to: 34.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Bailer on 06/27/2011 type: Native Material fm: 1.00' to: 18.00'
 type: Bentonite Pellets fm: 18.00' to: 20.00'
 type: #0 Sand fm: 20.00' to: 34.00'
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|-------|
| 0 | | -03 | | SAND, M; little gravel; light yellowish brown (2.5Y 6/3), dry. (Fill). | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | N/A | | | | | | |
| -4 | 4 | N/A | | 5.0-9.0': SAND, M; little gravel; light yellowish brown (2.5Y 6/3), dry. 9.0-10': SAND, F; trace M sand; trace gravel; light yellowish brown (2.5Y 6/3), dry. | | SW | | 0 ppm |
| -6 | 6 | | | | | | | |
| -8 | 8 | | | | | | | |
| -10 | 10 | N/A | | SAND, F; trace M sand; trace gravel; light yellowish brown (2.5YR 6/3), dry. | | | | 0 ppm |
| -12 | 12 | | | | | | | |
| -14 | 14 | | | | | | | |
| -16 | 16 | N/A | | SAND, F; trace M sand; trace gravel; light gray (2.5Y 7/2), dry. | | | | 0 ppm |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|---|--|---|-----------|---|-------|
| -18 | 18 | | | | | | | |
| -20 | 20 | N/A |  | SAND, F; trace M sand; trace gravel; light gray (2.5Y 7/2), dry. |  | SP |  | 0 ppm |
| -22 | 22 | | | | | | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | N/A |  | SAND, F, light gray (2.5Y 7/2), dry. |  | |  | 0 ppm |
| -28 | 28 | | | | | | | |
| -30 | 30 | N/A |  | SAND, F; little silt; trace gravel; dark gray (2.5Y 4/1), moist. |  | |  | 0 ppm |
| -32 | 32 | | | | | SM | | |
| -34 | 34 | | | Refusal and end of boring at 34 feet. | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: MW-214
 Project Number: 2009-1532 A20



Location: Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 06/23/11 - 06/23/11 Coordinate X: 0.000 Drilling Method: Geoprobe
 Completed Depth: 34.00' Coordinate Y: 0.000 Blank Casing: type: PVC dia: 2.00in fm: -2.4' to: 24.00'
 Total Depth: 34.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 24.00' to: 34.00'
 Remarks: Field Instrument: OVM MiniRAE 2000 Annular Fill: type: Concrete fm: 0.00' to: 1.00'
 Development Method: Bailer on 06/27/2011 type: Native Material fm: 1.00' to: 18.00'
 type: Bentonite Pellets fm: 18.00' to: 20.00'
 type: #0 Sand fm: 20.00' to: 34.00'
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|------|----------------|
| | | | | | | | MP. | EL. | |
| 0 | | -01 | | 0-0.3': SAND, F-M; trace organics; trace gravel; black (10YR 2/1), dry. (Topsoil). 0.3-2.0': SAND, F-M; little gravel; trace coal; brownish yellow (10YR 6/6), dry. (Fill). 2.0-2.5': SAND, F-M; little brick; trace coal; trace coal ash; black (10YR 2/1), dry. (Fill). 2.5-5.0': Sand, F-M and gravel; pale brown (10YR 6/3), dry. (Fill). | | TS | | 0.00 | 0 ppm 0 ppm |
| -2 | 2 | N/A | | | | FI | | | 0 ppm 0 ppm |
| -4 | 4 | N/A | | SAND, F; some M sand; trace gravel; light olive brown (2.5Y 5/3), dry. | | | | | 0 ppm |
| -6 | 6 | | | | | | | | |
| -8 | 8 | | | | | | | | |
| -10 | 10 | N/A | | SAND, F, light gray (2.5Y 7/2), moist. | | | | | 0 ppm |
| -12 | 12 | | | | | SP | | | |
| -14 | 14 | | | | | | | | |
| -16 | 16 | N/A | | 15-19': SAND, F, light gray (2.5Y 7/2), moist. 19-20': SAND, F, orange laminations (redox), moist. | | | | | 0 ppm |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|-------|
| -18 | 18 | | | | | | | |
| -20 | 20 | N/A | | No recovery. (Rock). | | | | 0 ppm |
| -22 | 22 | | | | | RK | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | N/A | | SAND, F; trace silt; moist. | | SP | | 0 ppm |
| -28 | 28 | | | | | | | |
| -30 | 30 | N/A | | Sand, F and silt; trace gravel at 34 feet; dark grayish brown (2.5Y 4/2), wet. | | | | 0 ppm |
| -32 | 32 | | | | | SM | | |
| -34 | 34 | | | Refusal and end of boring at 34 feet. | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-302
 Project Number: 2009-1532 A30



Location: W side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/26/13 - 04/26/13
 Completed Depth: 15.00'
 Total Depth: 15.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: dia: 0.00in fm: 0.0' to: 5.00'
 Screens: type: Slotted size: 0.010in dia: 0.00in fm: 5.00' to: 15.00'
 Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 4.00'
 type: #0 Sand fm: 4.00' to: 15.00'
 type: fm: to:

Driller: D. Levesque
 Borehole Dia.: 2.25in

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | PID |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|---------|
| 0 | | | | | | | MP. EL. 0.00 | |
| -0.3 | | | | Sand, F-M and gravel; dark yellowish brown (10YR 4/6), dry. | | | | 2.2 ppm |
| -2 | 2 | | | | | SW | | |
| -4 | 4 | | | | | | | |
| -5.0 | | N/A | | 5.0-6.0': Sand, F-M and gravel; yellowish brown (10YR 5/4). 6.0-9.0': SAND, F, grayish brown (10YR 5/2), wet. Slight odor. 9.0-10': SAND, F, olive gray (5Y 5/2), wet. Moderate odor. | | | | 2.4 ppm |
| -6 | 6 | | | | | | | 6.4 ppm |
| -8 | 8 | | | | | SP | | |
| -10 | 10 | | | 10-15': No samples taken. | | | | 515 ppm |
| -12 | 12 | | | | | NS | | |
| -14 | 14 | | | | | | | |
| -16 | 16 | | | End of boring at 15 feet. | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-303
 Project Number: 2009-1532 A30



Location: W side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/26/13 - 04/26/13
 Completed Depth: 15.00'
 Total Depth: 15.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 5.00'

Driller: D. Levesque
 Borehole Dia.: 2.25in

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

Screens:
 type: Slotted size: 0.010in dia: 2.00in fm: 5.00' to: 15.00'

Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 4.00'
 type: #0 Sand fm: 4.00' to: 15.00'
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|---------|
| 0 | | | | | | | MP. EL. 0.00 | |
| -0.5 | | -05 | | Sand, F-M and gravel; yellowish brown (10YR 5/6), dry. | | SW | | 2.0 ppm |
| -2 | 2 | | | | | | | |
| -4 | 4 | | | | | | | |
| -6 | 6 | N/A | | 5.0-6.0': SAND, F-M; little gravel; yellowish brown (10YR 5/6), moist. 6.0-10': SAND, F, olive gray (5Y 5/2), wet. Moderate odor. | | SP | | 2.0 ppm |
| -6 | 6 | -06, -07 | | | | | | 196 ppm |
| -8 | 8 | | | | | | | |
| -10 | 10 | N/A | | Sand, F and silt; olive gray (5Y 5/2), wet. No odor. | | SM | | 21 ppm |
| -12 | 12 | | | | | | | |
| -14 | 14 | | | | | | | |
| -16 | 16 | | | End of boring at 15 feet. | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-304
 Project Number: 2009-1532 A30



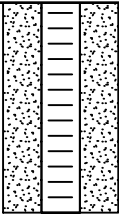
FUSS & O'NEILL

317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070

| | | | |
|---|--------------------------------|--|------------------------------|
| Location: W side of RR tracks | Datum: | Logged By: S. Hubbs | Driller: D. Levesque |
| Description: Monitoring Well, Shallow | Ground Elevation: 0.00' | Contractor: Fuss & O'Neill | Borehole Dia.: 2.25in |
| Date(s): 04/26/13 - 04/26/13 | Coordinate X: 0.000 | Drilling Method: Geoprobe | |
| Completed Depth: 20.00' | Coordinate Y: 0.000 | Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 10.00' | |
| Total Depth: 20.00' | | Screens: type: Slotted size: 0.010in dia: 2.00in fm: 10.00' to: 20.00' | |
| Remarks: Field Instrument: OVM MiniRAE 2000 | | Annular Fill: type: Concrete fm: 0.00' to: 0.40' | |
| Development Method: Surge block and peristaltic pump on 04/29/2013 | | type: Native Material fm: 0.40' to: 7.00' | |
| No refusal. | | type: Bentonite Chips fm: 7.00' to: 9.00' | |
| | | type: #0 Sand fm: 9.00' to: 20.00' | |
| | | type: | to: |

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|---------|
| 0 | | N/A | | 0-1.0': Sand, F-M and gravel; trace organics; very dark brown (10YR 2/2), dry. Slight odor. 1.0-3.0': Sand, F-M and gravel; yellowish brown (10YR 5/4), dry. 3.0-5.0': SAND, F, grayish brown (10YR 5/2), dry. | | SW | MP. EL. 0.00 | 0 ppm |
| -08 | 2 | | | | | | | 10 ppm |
| -2 | | | | | | | | 105 ppm |
| -4 | 4 | N/A | | SAND, F, white (10YR 8/1), dry. | | | | 0.2 ppm |
| -6 | | | | | | | | |
| -8 | 8 | | | | | | | |
| -10 | 10 | N/A | | SAND, F, light gray (10YR 7/1), moist to wet at 13 feet. | | SP | | 0.4 ppm |
| -12 | | | | | | | | |
| -14 | 14 | -09 | | | | | | 2.3 ppm |
| -16 | 16 | | | 15-20': No samples taken. | | | | |



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---------------------------|-------------|-----------|---|-----|
| -18 | 18 | | | | | NS |  | |
| | | | | | | | | |
| -20 | 20 | | | End of boring at 20 feet. | ----- | | | |
| | | | | | | | | |
| -22 | 22 | | | | | | | |
| | | | | | | | | |
| -24 | 24 | | | | | | | |
| | | | | | | | | |
| -26 | 26 | | | | | | | |
| | | | | | | | | |
| -28 | 28 | | | | | | | |
| | | | | | | | | |
| -30 | 30 | | | | | | | |
| | | | | | | | | |
| -32 | 32 | | | | | | | |
| | | | | | | | | |
| -34 | 34 | | | | | | | |
| | | | | | | | | |
| -36 | 36 | | | | | | | |
| | | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-305
 Project Number: 2009-1532 A30



Location: W side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/26/13 - 04/26/13
 Completed Depth: 14.00'
 Total Depth: 15.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 4.00'
 Screens: type: Slotted size: 0.010in dia: 2.00in fm: 4.00' to: 14.00'
 Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 3.00'
 type: #0 Sand fm: 3.00' to: 14.00'
 type: Native Material fm: 14.00' to: 15.00'

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|---------|
| 0 | | | | 0-1.0': Sand, F-M and gravel; trace organics; trace coal; very dark brown (10YR 2/2), dry. (Fill). 1.0-5.0': SAND, F; little M sand; little gravel; pale olive (5Y 6/3), dry. | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | | | | | SW | | 0 ppm |
| -4 | 4 | | | | | ML | | 0 ppm |
| -6 | 6 | | | 5.0-9.0': SILT; little F sand; light gray (10YR 7/1), wet. Dense. 9.0-10': SILT; little F sand; light gray (5Y 7/2) with black staining from 9.0 to 9.2 feet, wet. Dense. | | | | 0 ppm |
| -8 | 8 | | | | | ML | | 170 ppm |
| -10 | 10 | N/A | | 10-11': SILT; little F sand; light gray (5Y 7/2), wet. Dense. 11-14': Sand, F and silt; very dark gray (5Y 3/1) with dark gray staining, wet. Loose. Slight odor. 14-15': Sand, F and silt; olive (5Y 5/3), wet. | | SM | | 170 ppm |
| -12 | 12 | | | | | | | 173 ppm |
| -14 | 14 | N/A | | | | | | 170 ppm |
| -16 | 16 | | | End of boring at 15 feet. | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-306
 Project Number: 2009-1532 A30



Location: W side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/26/13 - 04/26/13
 Completed Depth: 14.00'
 Total Depth: 15.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 4.00'
 Screens: type: Slotted size: 0.010in dia: 2.00in fm: 4.00' to: 14.00'
 Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 3.00'
 type: #0 Sand fm: 3.00' to: 14.00'
 type: fm: to:

Driller: D. Levesque
 Borehole Dia.: 2.25in

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|----------|
| 0 | | -13 | | 0-3.0': Sand, F-M and gravel; trace brick; brown (10YR 4/3). (Fill). 3.0-5.0': SAND, M; little F sand; little gravel; olive (5Y 4/3), moist. | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | | | | | | | 13 ppm |
| -4 | 4 | N/A | | 5.0-8.0': SAND, F, light gray (10YR 7/1), wet. 8.0-10': SAND, F, gray (10YR 5/1) with light staining, wet. | | | | 14 ppm |
| -6 | 6 | | | | | | | 160 ppm |
| -8 | 8 | | | | | SP | | 150 ppm |
| -10 | 10 | N/A | | 10-11': SAND, F, gray (10YR 5/1) with light gray staining, wet. 11-13': SAND, F, olive gray (5Y 4/2) with dark gray staining, wet. Moderate varnish odor. 13-15': Sand, F and silt; grayish brown (10YR 5/2), wet. Slight varnish odor. | | | | 1300 ppm |
| -12 | 12 | | | | | | | 206 ppm |
| -14 | 14 | N/A | | | | SM | | |
| -16 | 16 | | | End of boring at 15 feet. | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-307
 Project Number: 2009-1532 A30



Location: E side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/29/13 - 04/29/13
 Completed Depth: 14.00'
 Total Depth: 15.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 4.00'
 Screens: type: Slotted size: 0.010in dia: 2.00in fm: 4.00' to: 14.00'
 Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 3.00'
 type: #0 Sand fm: 3.00' to: 14.00'
 type: fm: to:

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|--------|
| 0 | | N/A | | 0-2.0': Sand, F-M and gravel; trace glass; dark brown (10YR 3/3), dry. (Fill). 2.0-4.0': SAND, F, light gray (10YR 7/2), dry. 4.0-5.0': SAND, F, olive gray (5Y 5/2), moist. No odor. | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | | | | | | | 0 ppm |
| -4 | 4 | | | | | | | 75 ppm |
| -17 | | | | SAND, F, olive gray (5YR 5/2), wet. No odor. | | SP | | 70 ppm |
| -6 | 6 | | | | | | | |
| -8 | 8 | | | | | | | |
| -10 | 10 | N/A | | 10-12': SAND, F, olive gray (5Y 5/2), wet. No odor. 12-15': Sand, F and silt; 2mm thick dark gray layers about 2.0 inches apart. No odor. | | | | 70 ppm |
| -12 | 12 | -18 | | | | | | 61 ppm |
| -14 | 14 | | | | | SM | | |
| -16 | 16 | | | End of boring at 15 feet. | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-308
 Project Number: 2009-1532 A30



Location: E side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/29/13 - 04/29/13
 Completed Depth: 15.00'
 Total Depth: 15.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 5.00'

Driller: D. Levesque
 Borehole Dia.: 2.25in

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

Screens:
 type: Slotted size: 0.010in dia: 2.00in fm: 5.00' to: 15.00'

Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 3.00'
 type: #0 Sand fm: 3.00' to: 15.00'
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|---------|
| 0 | | N/A | | 0-2.0': Sand, F-M and gravel; strong brown (7.5YR 5/6), dry. 2.0-5.0': SAND, F, light gray (10YR 7/2), dry. | | SW | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | | | | | | | 0 ppm |
| -4 | 4 | | | | | | | |
| -19 | | | | SAND, F, olive gray (5Y 5/2), wet. Slight odor. | | SP | | 250 ppm |
| -6 | 6 | | | | | | | |
| -8 | 8 | | | | | | | |
| -10 | 10 | -20 | | Sand, F and silt; olive gray (5Y 5/2) with dark gray staining from 14.5 to 15 feet, wet. No odor. | | SM | | 116 ppm |
| -12 | 12 | | | | | | | |
| -14 | 14 | | | | | | | |
| -16 | 16 | | | End of boring at 15 feet. | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-309
 Project Number: 2009-1532 A30



FUSS & O'NEILL

317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070

Location: E side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/29/13 - 04/29/13
 Completed Depth: 14.00'
 Total Depth: 20.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing:
 type: PVC dia: 2.00in fm: 0.0' to: 4.00'

Driller: D. Levesque
 Borehole Dia.: 2.25in

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 04/29/2013
 No refusal.

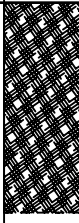
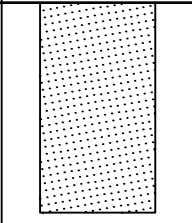
Screens:
 type: Slotted size: 0.010in dia: 2.00in fm: 4.00' to: 14.00'

Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Bentonite Chips fm: 0.40' to: 2.00'
 type: #0 Sand fm: 2.00' to: 14.00'
 type: Native Material fm: 14.00' to: 20.00'

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | | OVM |
|-----------|-------|------------|----------|---|-------------|-----------|-------------------|------|---------|
| | | | | | | | MP. | EL. | |
| 0 | | N/A | | 0-1.0': Sand, F-M and gravel; dark brown (10YR 3/3), dry. (Fill). 1.0-3.0': SAND, F; trace gravel; light gray (10YR 7/2), dry. 3.0-5.0': SAND, F, olive gray (5Y 5/2), moist. | | FI | | 0.00 | 0 ppm |
| -2 | 2 | | | | | | | | 0 ppm |
| -4 | 4 | | | | | | | | 0 ppm |
| -6 | 6 | -21 | | 5.0-9.0': SAND, F, olive gray (5Y 5/2), wet. 9.0-10': SAND, F; trace M sand; trace gravel; olive (5Y 5/3), wet. | | SP | | | 0 ppm |
| -8 | 8 | | | | | | | | 0 ppm |
| -10 | 10 | N/A | | 10-12': SAND, F; trace M sand; trace gravel; olive (5Y 5/3), wet. 12-15': Sand, M and gravel; little F sand; very dark gray (5Y 3/1), wet. (Decomposed rock). | | | | | 0 ppm |
| -12 | 12 | -22 | | | | | | | 540 ppm |
| -14 | 14 | | | | | | | | |
| -16 | 16 | N/A | | Sand, M and gravel; little F sand; very dark gray (5Y 3/1), wet. (Decomposed rock). | | DR | | | 125 ppm |

Checked By: SAH



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|---------------------------|---|-----------|---|-----|
| -18 | 18 | | | | | | | |
| | | | | | | | | |
| -20 | 20 | | | End of boring at 20 feet. |  | |  | |
| | | | | | | | | |
| -22 | 22 | | | | | | | |
| | | | | | | | | |
| -24 | 24 | | | | | | | |
| | | | | | | | | |
| -26 | 26 | | | | | | | |
| | | | | | | | | |
| -28 | 28 | | | | | | | |
| | | | | | | | | |
| -30 | 30 | | | | | | | |
| | | | | | | | | |
| -32 | 32 | | | | | | | |
| | | | | | | | | |
| -34 | 34 | | | | | | | |
| | | | | | | | | |
| -36 | 36 | | | | | | | |
| | | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-310
 Project Number: 2009-1532 A30



Location: E side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/29/13 - 04/29/13
 Completed Depth: 20.00'
 Total Depth: 20.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 10.00'
 Screens: type: Slotted size: 0.010in dia: 2.00in fm: 10.00' to: 20.00'
 Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Native Material fm: 0.40' to: 5.00'
 type: Bentonite Chips fm: 5.00' to: 8.00'
 type: #0 Sand fm: 8.00' to: 20.00'

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Surge block and peristaltic pump on 05/01/2013
 No refusal.

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|--------|
| 0 | | N/A | | 0-1.0': Sand, F-M and gravel; dark brown (10YR 3/3), dry. (Fill). 1.0-5.0': SAND, F, light gray (10YR 7/2), dry. | | FI | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | | | | | | | 0 ppm |
| -4 | 4 | | | | | | | |
| -6 | 6 | N/A | | 5.0-9.0': SAND, F, light gray (10YR 7/1), dry. 9.0-10': SAND, F, light olive gray (5Y 6/2), moist. | | SP | | 0 ppm |
| -8 | 8 | | | | | | | 0 ppm |
| -10 | 10 | N/A | | 10-12': SAND, F, light olive gray (5Y 6/2), moist. 12-14': SAND, F, wet. 14-15': SILT; little F sand; olive gray (5Y 5/2) with mottled dark gray staining, wet. Slight odor. | | | | 0 ppm |
| -12 | 12 | -23 | | | | | | 0 ppm |
| -14 | 14 | N/A | | | | | | 22 ppm |
| -16 | 16 | -24 | | 15-18': Same as above. 18-20': Sand, F and silt; little gravel. (Till). | | ML | | 22 ppm |

Checked By: SAH



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OM |
|-----------|-------|------------|----------|---------------------------|-------------|-----------|-------------------|--------|
| -18 | 18 | N/A | | | | SW | | 60 ppm |
| -20 | 20 | | | End of boring at 20 feet. | | | | |
| -22 | 22 | | | | | | | |
| -24 | 24 | | | | | | | |
| -26 | 26 | | | | | | | |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Township/Range: Woonsocket, Rhode Island

Site Id: MW-311
 Project Number: 2009-1532 A30



Location: E side of RR tracks
 Description: Monitoring Well, Shallow
 Date(s): 04/29/13 - 04/29/13
 Completed Depth: 23.00'
 Total Depth: 23.00'

Datum:
 Ground Elevation: 0.00'
 Coordinate X: 0.000
 Coordinate Y: 0.000

Logged By: S. Hubbs
 Contractor: Fuss & O'Neill
 Drilling Method: Geoprobe
 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 13.00'
 Screens: type: Slotted size: 0.010in dia: 2.00in fm: 13.00' to: 23.00'
 Annular Fill:
 type: Concrete fm: 0.00' to: 0.40'
 type: Native Material fm: 0.40' to: 10.00'
 type: Bentonite Chips fm: 10.00' to: 12.00'
 type: #0 Sand fm: 12.00' to: 23.00'
 type: fm: to:

Remarks: Field Instrument: OVM MiniRAE 2000
 Development Method: Dry on 05/01/2013

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|-------|
| 0 | | N/A | | Sand, F-M and gravel; very pale brown (10YR 7/3), dry. | | | MP. EL. 0.00 | 0 ppm |
| -2 | 2 | | | | | SW | | |
| -4 | 4 | | | | | | | |
| -6 | 6 | N/A | | SAND, F, light gray (10YR 7/2), dry. | | | | 0 ppm |
| -8 | 8 | | | | | | | |
| -10 | 10 | N/A | | SAND, F, light gray (10YR 7/2), dry. | | | | 0 ppm |
| -12 | 12 | | | | | | | |
| -14 | 14 | | | | | SP | | |
| -16 | 16 | N/A | | 15-18': SAND, F, light gray (10YR 7/2), dry. 18-20': SAND, F; brownish yellow (10YR 6/6) with orange redox staining, moist. | | | | 0 ppm |

Checked By: SAH



| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | Well Construction | OM |
|-----------|-------|------------|----------|--|-------------|-----------|-------------------|---------|
| -18 | 18 | | | | | | | 0 ppm |
| -20 | 20 | -25 | | 20-21': SAND, F, pale brown (10YR 6/3), moist. 21-23': SILT; some F sand; some gravel; very dark gray (5Y 3/1), wet. Slight odor. | | | | 0 ppm |
| -22 | 22 | | | | | ML | | 108 ppm |
| -24 | 24 | | | Refusal and end of boring at 23 feet. | | | | |
| -26 | 26 | | | | | | | |
| -28 | 28 | | | | | | | |
| -30 | 30 | | | | | | | |
| -32 | 32 | | | | | | | |
| -34 | 34 | | | | | | | |
| -36 | 36 | | | | | | | |
| -38 | 38 | | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-312
 Project Number: 2009-1532 A30



Location: E side of RR tracks Datum: Logged By: S. Hubbs Driller: D. Levesque
 Description: Soil Boring Ground Elevation: 0.00' Contractor: Fuss & O'Neill Borehole Dia.: 2.25in
 Date(s): 04/29/13 - 04/29/13 Coordinate X: 0.000 Drilling Method: Geoprobe
 Total Depth: 20.00' Coordinate Y: 0.000 Back Fill:
 Remarks: Field Instrument: OVM MiniRAE 2000 type: Native Material fm: 0.00' to: 20.00'
 No refusal. type: fm: to:
 type: fm: to:
 type: fm: to:

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|--|-------------|-----------|---------|
| 0 | | N/A | | 0-2.0': Sand, F-M and gravel; trace organics; very dark grayish brown (10YR 3/2), dry. 2.0-3.0': SAND, M-C, pale brown (10YR 6/3), dry. 3.0-5.0': SAND, F, light gray (10YR 7/2), dry. | | SW | 0 ppm |
| -2 | 2 | | | | | | 0 ppm |
| -4 | 4 | | | | | | 0 ppm |
| -6 | 6 | N/A | | 5.0-7.0': SAND, F, light gray (10YR 7/2), dry. 7.0-10': SAND, F, pale olive (5Y 6/3), wet. | | | 0 ppm |
| -8 | 8 | | | | | SP | 0.4 ppm |
| -10 | 10 | -26 | | 10-12': SAND, F, pale olive (5Y 6/3), wet. 12-15': SILT; little F sand; olive gray (5Y 4/2) with dark gray staining, wet. Slight odor. | | | 3.8 ppm |
| -12 | 12 | | | | | | 3.8 ppm |
| -14 | 14 | | | | | | |
| -16 | 16 | -27 | | SILT; little F sand; olive gray (5Y 4/2) with dark gray staining, wet. Loose. Slight odor. | | ML | 5.1 ppm |
| -18 | 18 | | | | | | |

Project Name: Color and Chemical
 Project Location: Woonsocket, Rhode Island

Site Id: SB-312
 Project Number: 2009-1532 A30



FUSS & O'NEILL

317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070

| Elevation | Depth | Sample No. | Recovery | Material Description | Graphic Log | USCS Code | OVM |
|-----------|-------|------------|----------|---------------------------------------|-------------|-----------|-----|
| -20 | 20 | | | Refusal and end of boring at 20 feet. | | | |
| -22 | 22 | | | | | | |
| -24 | 24 | | | | | | |
| -26 | 26 | | | | | | |
| -28 | 28 | | | | | | |
| -30 | 30 | | | | | | |
| -32 | 32 | | | | | | |
| -34 | 34 | | | | | | |
| -36 | 36 | | | | | | |
| -38 | 38 | | | | | | |
| -40 | 40 | | | | | | |

Appendix D

Laboratory Analytical Reports and Quality Control Certifications



**Modified Tier II
Data Validation Narrative**

Project: 20091532A20, Woonsocket Color and Chemical

| | |
|---|------------------|
| Premier Laboratory Project Number: | E106G90 |
| Date Samples Received at Laboratory: | June 24, 2011 |
| Date of Review: | December 4, 2013 |

Thirteen soil samples, including one duplicate sample, were collected and submitted to Premier Laboratory, Inc. (Premier). The samples were analyzed for the following analytes using the designated methods:

- Volatile organic compounds (VOC) by the United States Environmental Protection Agency (USEPA) Method 8260
- Semi-volatile organic compounds (SVOC) by USEPA Method 8270
- Polychlorinated biphenyls (PCB) by USEPA Method 8082
- Total petroleum hydrocarbons (TPH) by USEPA Method 8100
- Sixteen metals by USEPA Methods 6010/7471 including arsenic, barium, cadmium, chromium, lead, selenium, silver, zinc, vanadium, thallium, nickel, manganese, copper, beryllium, antimony, and mercury

In addition, two laboratory-supplied trip blanks, including one methanol-preserved and one hydrochloric acid-preserved trip blank, were submitted for analysis of VOC by USEPA Method 8260. Dedicated sampling equipment was utilized, so equipment blanks and field blanks were not collected during these sampling activities.

One compound, carbon disulfide, was detected in the HCl-preserved trip blank at a concentration of 1.7 µg/L, exceeding the laboratory detection limit of 1.0 µg/L. This compound was detected in two of the soil samples at concentrations exceeding laboratory reporting limits. All samples were analyzed within the method-specific holding times.

As documented in the case narrative included in the analytical report, the following non-conformances were identified during analysis of these samples:

- Recoveries of one internal standard from three samples (841110623-10, -11, and -12) during analysis of SVOC were less than quality control limits due to matrix interference, suggesting that SVOC results for these samples may be biased low.
- Recoveries of a surrogate SVOC added to two samples (841110623-11 and -13) were above quality control limits due to matrix interference, suggesting high bias for the corresponding SVOC results. The relative percent difference (RPD) calculated by the laboratory for the lead results for one sample (841110623-02) was outside the expected range, suggesting reduced precision for lead data.

The concentrations of SVOC in three of the four soil samples affected by the SVOC-related non-conformance were either below detection limits or approximately ten to one hundred times below applicable regulatory criteria. Due to the significant difference between the SVOC results for these samples and the applicable regulatory criteria, potential bias associated with the analytical results is not expected to significantly affect usability of the data. The remaining sample contained a total of



fourteen SVOC at concentrations exceeding laboratory detection limits, including four compounds which exceeded applicable regulatory criteria, despite potential low bias. Since it is known that this sample contained SVOC at concentrations exceeding the regulatory criteria, the usability of the data for the affected sample is not affected.

The concentrations of lead in the samples were at least approximately three times less than the applicable regulatory criteria. These results were generally consistent with those of other soil samples collected from the site. Therefore, reduced precision evidenced by the elevated RPD calculated by the laboratory is not expected to significantly reduce the usability of the lead data.

Relative percent differences (RPDs) calculated using data for the primary and duplicate samples were less than the 50% maximum goal for analytical precision except for the RPD of 188% for n-butylbenzene. It is possible that this high RPD is due to sample heterogeneity and would not be expected to significantly affect the overall usability of the data, as this compound was not considered a contaminant of concern associated with the site.

Analytical results for the soil samples were compared to the Method 1 Residential Exposure Criteria (R-DEC), Industrial/Commercial Direct Exposure Criteria (I/C-DEC), and GB Leachability Criteria (GB-LC) promulgated by the Rhode Island Department of Environmental Management. Detection limits were low enough to allow direct comparison to these criteria.



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
MODIFIED TIER I COMPLETENESS CHECKLIST**

| | YES | NO |
|---|-------------------------------------|-----------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | |
| Field measurement calibration records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Groundwater field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Soil sampling field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sediment sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Surface water sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Low-flow sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Documentation of field activities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample numbering and labeling | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicate samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| 2. LABORATORY MEASUREMENTS: | | |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Instrument blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Laboratory control samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicates samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Matrix spike/matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Surrogate recoveries | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> NA |

TOTAL: 15 0

PERCENT COMPLETE: 100 %

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?**

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | | |
| Field measurement calibration records | | | |
| pH - ± 0.3 pH units | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| S.C. - ± 5% of calibration solution, within? calibration range | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Temperature - ± 0.5 °C | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| D.O. - ± 5% of calibration solution | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Groundwater field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Soil sampling field measurements (if applicable) | | | |
| OVM - ± 2 ppm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| OVA - ± 2 ppm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | NA |
| Sediment sampling field measurements (if applicable) | | | |
| Descriptive information recorded? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Surface water sampling field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Low-flow sampling field measurements (if applicable) | | | |
| S.C. - ± 10% | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| pH - ± 0.2 pH units | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Temperature - ± 10% | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Turbidity - ±5 NTU | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Documentation of field activities | | | |
| Site-specific information documented in field notebook? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Field data sheets completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample numbering and labeling | | | |
| Sample numbering conforms to sample I.D. system identified in QAPP? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | | | |
| Chain-of-Custody forms completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST
(Continued)

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS?

| | YES | NO | COMMENTS |
|---|-------------------------------------|-------------------------------------|---|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | carbon disulfide @ 1.7 µg/L (lab) |
| Duplicate samples | | | |
| Field duplicates performed, 1/20 samples? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates performed on 10% of samples screened for explosives? | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Is percent difference within 30% for all field parameters? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | >30% for ethylbenzene (43%) N-Butylbenzene, + toluene (123%) (32%) |
| Equipment blanks | | | |
| Equipment blanks submitted, one per sampling day? | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Any compounds detected in equipment blank? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Split samples (if any) | | | |
| Split samples collected? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Is percent difference within 30% for split samples? | <input type="checkbox"/> | <input type="checkbox"/> | |

2. LABORATORY MEASUREMENTS:

| | | | |
|--|-------------------------------------|-------------------------------------|--|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | carbon disulfide @ 1.7 µg/L |
| Instrument blanks** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Laboratory control samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Equipment blanks** | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Matrix spike/matrix spike duplicates** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Surrogate recoveries** | <input type="checkbox"/> | <input checked="" type="checkbox"/> | one surrogate in two samples outside d/c |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Split samples (if any)** | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Most recent EPA WP-PE sample results** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill, Inc.
317 Iron Horse Way
Suite 204
Providence, RI 02908
Attn: Pat Dowling

Report Number: E106G90
Project: 20091532.A20/ Color and Chem

Received Date: 06/24/2011
Report Date: 07/06/2011

Premier Laboratory, Inc
Authorized Signature



Certified and Compliant with:

CT (PH-0465), EPA (CT00008), MA (M-CT008), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300),
UCMR2 (CT00008), VT (VT11549)



101-000000310755



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E106G90
Client: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Premier Laboratory, Inc received 15 samples from Fuss & O'Neill on 06/24/2011. The samples were analyzed for the following list of analyses:

| | |
|--|---|
| Mercury by 7471 in SW 7471[7471] | PCB's by 8082 in GW/SW 8082[3500] |
| Semivolatiles by 8270C for GW/SW 8270C[3500] | TPH by 8100M (Itemized) 8100[8100] |
| Trace Metals by 6010B 6010B[3000] | Volatiles by 8260B (GA/GW-1/S-1) 8260B |
| Volatiles by 8260B Methanol Preserved in SW 8260B[Methanol Preserved] | |

**Non-Conformances:
Work Order:**

None

Sample:

Sample 2A, 841110623-02: The RPD for lead was outside the expected range.

Analysis:

Sample 10A, 841110623-10, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 11A, 841110623-11, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 11A, 841110623-11, Semivolatiles by SW-846 8270C: One surrogate spike was elevated outside quality control limits for the sample due to matrix interference.

Sample 12A, 841110623-12, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 13A, 841110623-13, Semivolatiles by SW-846 8270C: One surrogate spike was elevated outside quality control limits for the sample due to matrix interference.

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(1) 841110623-01

Date Collected: 06/23/2011 09:30 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|-------|-------|-------|------------------|-----|--|
| Arsenic | 16 | 0.29 | mg/kg | 06/29/2011 12:01 | NJB | |
| Barium | 35 | 0.59 | mg/kg | 06/29/2011 12:01 | NJB | |
| Cadmium | 0.44 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Chromium | 10 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Lead | 52 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Selenium | ND | 0.29 | mg/kg | 06/29/2011 12:01 | NJB | |
| Silver | ND | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Zinc | 40 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Vanadium | 21 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Thallium | ND | 0.29 | mg/kg | 06/29/2011 12:01 | NJB | |
| Nickel | 6.4 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Manganese | 66 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Copper | 13 | 0.12 | mg/kg | 06/29/2011 12:01 | NJB | |
| Beryllium | 0.16 | 0.059 | mg/kg | 06/29/2011 12:01 | NJB | |
| Antimony | ND | 2.9 | mg/kg | 06/29/2011 12:01 | NJB | |
| Mercury by SW-846 7471 in SW | 0.094 | 0.024 | mg/kg | 06/29/2011 12:02 | KL | |

(2) 841110623-02

Date Collected: 06/23/2011 10:00 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 0.85 | 0.31 | mg/kg | 06/29/2011 14:09 | NJB | |
| Barium | 40 | 0.62 | mg/kg | 06/29/2011 12:15 | NJB | |
| Cadmium | 0.36 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Chromium | 9.4 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Lead | 1.6 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Selenium | ND | 0.31 | mg/kg | 06/29/2011 12:15 | NJB | |
| Silver | ND | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Zinc | 22 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Vanadium | 9.2 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Thallium | ND | 0.31 | mg/kg | 06/29/2011 12:15 | NJB | |
| Nickel | 4.1 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Manganese | 130 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Copper | 4.3 | 0.12 | mg/kg | 06/29/2011 12:15 | NJB | |
| Beryllium | 0.17 | 0.062 | mg/kg | 06/29/2011 12:15 | NJB | |
| Antimony | ND | 3.1 | mg/kg | 06/29/2011 12:15 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(3) 841110623-03

Date Collected: 06/23/2011 11:15 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 2.0 | 0.26 | mg/kg | 06/29/2011 12:17 | NJB | |
| Barium | 11 | 0.52 | mg/kg | 06/29/2011 12:17 | NJB | |
| Cadmium | 0.15 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Chromium | 2.3 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Lead | 3.0 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Selenium | ND | 0.26 | mg/kg | 06/29/2011 12:17 | NJB | |
| Silver | ND | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Zinc | 9.3 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Vanadium | 3.5 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Thallium | ND | 0.26 | mg/kg | 06/29/2011 12:17 | NJB | |
| Nickel | 2.0 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Manganese | 41 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Copper | 10 | 0.10 | mg/kg | 06/29/2011 12:17 | NJB | |
| Beryllium | ND | 0.052 | mg/kg | 06/29/2011 12:17 | NJB | |
| Antimony | ND | 2.6 | mg/kg | 06/29/2011 12:17 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.021 | mg/kg | 06/29/2011 12:02 | KL | |

(4) 841110623-04

Date Collected: 06/23/2011 12:00 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 0.80 | 0.30 | mg/kg | 06/29/2011 12:20 | NJB | |
| Barium | 46 | 0.61 | mg/kg | 06/29/2011 12:20 | NJB | |
| Cadmium | 0.58 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Chromium | 10 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Lead | 1.4 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Selenium | ND | 0.30 | mg/kg | 06/29/2011 12:20 | NJB | |
| Silver | ND | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Zinc | 81 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Vanadium | 17 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Thallium | ND | 0.30 | mg/kg | 06/29/2011 12:20 | NJB | |
| Nickel | 9.5 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Manganese | 180 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Copper | 13 | 0.12 | mg/kg | 06/29/2011 12:20 | NJB | |
| Beryllium | 0.14 | 0.061 | mg/kg | 06/29/2011 12:20 | NJB | |
| Antimony | ND | 3.0 | mg/kg | 06/29/2011 12:20 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.024 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(5) 841110623-05

Date Collected: 06/23/2011 13:20 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 1.3 | 0.26 | mg/kg | 06/29/2011 12:30 | NJB | |
| Barium | 24 | 0.53 | mg/kg | 06/29/2011 12:30 | NJB | |
| Cadmium | 0.44 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Chromium | 6.7 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Lead | 39 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Selenium | ND | 0.26 | mg/kg | 06/29/2011 12:30 | NJB | |
| Silver | ND | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Zinc | 110 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Vanadium | 4.4 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Thallium | ND | 0.26 | mg/kg | 06/29/2011 12:30 | NJB | |
| Nickel | 2.5 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Manganese | 50 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Copper | 13 | 0.10 | mg/kg | 06/29/2011 12:30 | NJB | |
| Beryllium | ND | 0.053 | mg/kg | 06/29/2011 12:30 | NJB | |
| Antimony | ND | 2.6 | mg/kg | 06/29/2011 12:30 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.021 | mg/kg | 06/29/2011 12:02 | KL | |

(6) 841110623-06

Date Collected: 06/23/2011 14:30 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 0.96 | 0.33 | mg/kg | 06/29/2011 12:32 | NJB | |
| Barium | 62 | 0.66 | mg/kg | 06/29/2011 12:32 | NJB | |
| Cadmium | 0.69 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Chromium | 13 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Lead | 2.3 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Selenium | ND | 0.33 | mg/kg | 06/29/2011 12:32 | NJB | |
| Silver | ND | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Zinc | 440 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Vanadium | 20 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Thallium | ND | 0.33 | mg/kg | 06/29/2011 12:32 | NJB | |
| Nickel | 9.8 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Manganese | 150 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Copper | 13 | 0.13 | mg/kg | 06/29/2011 12:32 | NJB | |
| Beryllium | 0.15 | 0.066 | mg/kg | 06/29/2011 12:32 | NJB | |
| Antimony | ND | 3.3 | mg/kg | 06/29/2011 12:32 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.026 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|---|--------|----------------------|-------|------------------|-----|----------|
| (7) 841110623-07 | | | | | | |
| Date Collected: 06/23/2011 15:30 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 1.8 | 0.27 | mg/kg | 06/29/2011 12:34 | NJB | |
| Barium | 15 | 0.55 | mg/kg | 06/29/2011 12:34 | NJB | |
| Cadmium | 0.35 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Chromium | 7.2 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Lead | 5.6 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 06/29/2011 12:34 | NJB | |
| Silver | ND | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Zinc | 120 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Vanadium | 4.5 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 06/29/2011 12:34 | NJB | |
| Nickel | 2.7 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Manganese | 45 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Copper | 6.5 | 0.11 | mg/kg | 06/29/2011 12:34 | NJB | |
| Beryllium | ND | 0.055 | mg/kg | 06/29/2011 12:34 | NJB | |
| Antimony | ND | 2.7 | mg/kg | 06/29/2011 12:34 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

| | | | | | | |
|---|------|----------------------|-------|------------------|-----|--|
| (8) 841110623-08 | | | | | | |
| Date Collected: 06/23/2011 15:40 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 1.8 | 0.32 | mg/kg | 06/29/2011 12:37 | NJB | |
| Barium | 50 | 0.65 | mg/kg | 06/29/2011 12:37 | NJB | |
| Cadmium | 0.43 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Chromium | 7.5 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Lead | 2.0 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Selenium | ND | 0.32 | mg/kg | 06/29/2011 12:37 | NJB | |
| Silver | ND | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Zinc | 180 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Vanadium | 12 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Thallium | ND | 0.32 | mg/kg | 06/29/2011 12:37 | NJB | |
| Nickel | 5.7 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Manganese | 120 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Copper | 5.7 | 0.13 | mg/kg | 06/29/2011 12:37 | NJB | |
| Beryllium | 0.21 | 0.065 | mg/kg | 06/29/2011 12:37 | NJB | |
| Antimony | ND | 3.2 | mg/kg | 06/29/2011 12:37 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.026 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(9) 841110623-09

Date Collected: 06/23/2011 15:50 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 1.7 | 0.32 | mg/kg | 06/29/2011 12:39 | NJB | |
| Barium | 39 | 0.64 | mg/kg | 06/29/2011 12:39 | NJB | |
| Cadmium | 0.41 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Chromium | 7.0 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Lead | 1.8 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Selenium | ND | 0.32 | mg/kg | 06/29/2011 12:39 | NJB | |
| Silver | ND | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Zinc | 160 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Vanadium | 11 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Thallium | ND | 0.32 | mg/kg | 06/29/2011 12:39 | NJB | |
| Nickel | 4.5 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Manganese | 110 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Copper | 5.2 | 0.13 | mg/kg | 06/29/2011 12:39 | NJB | |
| Beryllium | 0.20 | 0.064 | mg/kg | 06/29/2011 12:39 | NJB | |
| Antimony | ND | 3.2 | mg/kg | 06/29/2011 12:39 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.026 | mg/kg | 06/29/2011 12:02 | KL | |

(10) 841110623-10

Date Collected: 06/23/2011 16:30 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|-------|-------|-------|------------------|-----|--|
| Arsenic | 1.9 | 0.27 | mg/kg | 06/29/2011 12:41 | NJB | |
| Barium | 100 | 0.54 | mg/kg | 06/29/2011 12:41 | NJB | |
| Cadmium | 0.66 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Chromium | 10 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Lead | 56 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 06/29/2011 12:41 | NJB | |
| Silver | ND | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Zinc | 130 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Vanadium | 8.2 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 06/29/2011 12:41 | NJB | |
| Nickel | 5.1 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Manganese | 89 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Copper | 16 | 0.11 | mg/kg | 06/29/2011 12:41 | NJB | |
| Beryllium | 0.10 | 0.054 | mg/kg | 06/29/2011 12:41 | NJB | |
| Antimony | ND | 2.7 | mg/kg | 06/29/2011 12:41 | NJB | |
| Mercury by SW-846 7471 in SW | 0.031 | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|---|--------|----------------------|-------|------------------|-----|----------|
| (11) 841110623-11 | | | | | | |
| Date Collected: 06/23/2011 16:40 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 2.6 | 0.31 | mg/kg | 06/29/2011 12:44 | NJB | |
| Barium | 27 | 0.62 | mg/kg | 06/29/2011 12:44 | NJB | |
| Cadmium | 0.35 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Chromium | 4.9 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Lead | 2.0 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Selenium | ND | 0.31 | mg/kg | 06/29/2011 12:44 | NJB | |
| Silver | ND | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Zinc | 20 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Vanadium | 8.7 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Thallium | ND | 0.31 | mg/kg | 06/29/2011 12:44 | NJB | |
| Nickel | 2.4 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Manganese | 67 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Copper | 3.6 | 0.12 | mg/kg | 06/29/2011 12:44 | NJB | |
| Beryllium | 0.091 | 0.062 | mg/kg | 06/29/2011 12:44 | NJB | |
| Antimony | ND | 3.1 | mg/kg | 06/29/2011 12:44 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 06/29/2011 12:02 | KL | |

(12) 841110623-12
Date Collected: 06/23/2011 17:10 **Matrix: Solid**

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Trace Metals by 6010B | | | | | | |
| Arsenic | 1.2 | 0.26 | mg/kg | 06/29/2011 12:46 | NJB | |
| Barium | 35 | 0.53 | mg/kg | 06/29/2011 12:46 | NJB | |
| Cadmium | 0.35 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Chromium | 5.8 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Lead | 9.2 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Selenium | ND | 0.26 | mg/kg | 06/29/2011 12:46 | NJB | |
| Silver | ND | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Zinc | 59 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Vanadium | 5.3 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Thallium | ND | 0.26 | mg/kg | 06/29/2011 12:46 | NJB | |
| Nickel | 3.8 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Manganese | 87 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Copper | 6.3 | 0.10 | mg/kg | 06/29/2011 12:46 | NJB | |
| Beryllium | 0.11 | 0.053 | mg/kg | 06/29/2011 12:46 | NJB | |
| Antimony | ND | 2.6 | mg/kg | 06/29/2011 12:46 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.021 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Date Received: 06/24/2011 16:21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(13) 841110623-13

Date Collected: 06/23/2011 17:20

Matrix: Solid

Trace Metals by 6010B

| | | | | | | |
|------------------------------|-------|-------|-------|------------------|-----|--|
| Arsenic | 0.91 | 0.31 | mg/kg | 06/29/2011 12:49 | NJB | |
| Barium | 28 | 0.62 | mg/kg | 06/29/2011 12:49 | NJB | |
| Cadmium | 0.32 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Chromium | 4.9 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Lead | 2.6 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Selenium | ND | 0.31 | mg/kg | 06/29/2011 12:49 | NJB | |
| Silver | ND | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Zinc | 71 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Vanadium | 5.6 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Thallium | ND | 0.31 | mg/kg | 06/29/2011 12:49 | NJB | |
| Nickel | 2.7 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Manganese | 73 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Copper | 12 | 0.12 | mg/kg | 06/29/2011 12:49 | NJB | |
| Beryllium | 0.088 | 0.062 | mg/kg | 06/29/2011 12:49 | NJB | |
| Antimony | ND | 3.1 | mg/kg | 06/29/2011 12:49 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 1
 Sample Description: 841110623-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 09:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 18:59 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 15
 Sample Weight/Volume: 30.04
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32700.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 200 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 200 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 200 | ug/kg |
| 62-53-3 | Aniline | ND | 390 | ug/kg |
| 120-12-7 | Anthracene | ND | 200 | ug/kg |
| 92-52-4 | Biphenyl | ND | 200 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | 200 | 200 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | 230 | 200 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 360 | 200 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 200 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 200 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 980 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 390 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 200 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 200 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 200 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 390 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 200 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 200 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 200 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 390 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 200 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 200 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 200 | ug/kg |
| 218-01-9 | Chrysene | 330 | 200 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 200 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 200 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 200 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 390 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 200 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 200 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 200 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 200 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 200 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 200 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 200 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 200 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 200 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 200 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 200 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 1
 Sample Description: 841110623-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 09:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 18:59 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 15
 Sample Weight/Volume: 30.04
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32700.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | 390 | 200 | ug/kg |
| 86-73-7 | Fluorene | ND | 200 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 200 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 200 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 200 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 200 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 200 | ug/kg |
| 78-59-1 | Isophorone | ND | 200 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 200 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 200 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 200 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 390 | ug/kg |
| 91-20-3 | Naphthalene | ND | 200 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 390 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 390 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 390 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 200 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 200 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 200 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 200 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 200 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 200 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 200 | ug/kg |
| 85-01-8 | Phenanthrene | 240 | 200 | ug/kg |
| 108-95-2 | Phenol | ND | 200 | ug/kg |
| 129-00-0 | Pyrene | 460 | 200 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 200 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 200 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 200 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 81% | 18%-118% | |
| 2-Fluorobiphenyl | 61% | 24%-101% | |
| 2-Fluorophenol | 64% | 10%-94% | |
| 4-Terphenyl-d14 | 89% | 20%-133% | |
| Nitrobenzene-d5 | 66% | 16%-98% | |
| Phenol-d6 | 65% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 1
Sample Description: 841110623-01

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 09:30
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/27/2011 22:35 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 10.12
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062724.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 12 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 12 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 70 | 12 | mg/kg |
| | Total PHC | 70 | 12 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 1
 Sample Description: 841110623-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 09:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 12:45 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 15
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063010.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 16 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 16 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 16 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 16 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 16 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 16 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 16 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 70% | 10%-103% | |
| Decachlorobiphenyl | 89% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 1
 Sample Description: 841110623-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 09:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 18:28 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 15
 Dilution Factor: 1
 Lab Data File: Q20632.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 12 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.8 | ug/kg |
| 71-43-2 | Benzene | ND | 5.8 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.8 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.8 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.8 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.8 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.8 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.8 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.8 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.8 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.8 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.8 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.8 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.8 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.8 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.8 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.8 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.8 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.8 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.8 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.58 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.8 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.8 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.8 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.8 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.8 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.8 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.8 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.8 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.8 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.8 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.8 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.8 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.8 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.8 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.8 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.8 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.8 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 1
 Sample Description: 841110623-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 09:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 18:28 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 15
 Dilution Factor: 1
 Lab Data File: Q20632.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 23 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.8 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.8 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 12 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.8 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.8 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.8 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 12 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.8 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.8 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.8 | ug/kg |
| 100-42-5 | Styrene | ND | 5.8 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.8 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.8 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.8 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.8 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.8 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.8 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.8 | ug/kg |
| 108-88-3 | Toluene | ND | 5.8 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.8 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.8 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.8 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.8 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.8 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.8 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.8 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.8 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.8 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.8 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 12 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 105% | 82%-120% | |
| Bromofluorobenzene | 93% | 70%-122% | |
| Toluene-d8 | 108% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 2
 Sample Description: 841110623-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 10:00
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 16:35 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.07
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32695.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 210 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 210 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 210 | ug/kg |
| 62-53-3 | Aniline | ND | 410 | ug/kg |
| 120-12-7 | Anthracene | ND | 210 | ug/kg |
| 92-52-4 | Biphenyl | ND | 210 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 210 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 210 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 210 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 210 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 210 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 410 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 210 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 210 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 210 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 410 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 210 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 210 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 210 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 410 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 210 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 210 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 210 | ug/kg |
| 218-01-9 | Chrysene | ND | 210 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 210 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 210 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 210 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 410 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 210 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 210 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 210 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 210 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 210 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 210 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 210 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 210 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 210 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 210 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 210 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 2
 Sample Description: 841110623-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 10:00
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 16:35 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.07
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32695.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 210 | ug/kg |
| 86-73-7 | Fluorene | ND | 210 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 210 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 210 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 210 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 210 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 210 | ug/kg |
| 78-59-1 | Isophorone | ND | 210 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 210 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 210 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 210 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 410 | ug/kg |
| 91-20-3 | Naphthalene | ND | 210 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 410 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 410 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 410 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 210 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 210 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 210 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 210 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 210 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 210 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 210 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 210 | ug/kg |
| 108-95-2 | Phenol | ND | 210 | ug/kg |
| 129-00-0 | Pyrene | ND | 210 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 210 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 210 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 210 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 54% | 18%-118% | |
| 2-Fluorobiphenyl | 53% | 24%-101% | |
| 2-Fluorophenol | 57% | 10%-94% | |
| 4-Terphenyl-d14 | 60% | 20%-133% | |
| Nitrobenzene-d5 | 55% | 16%-98% | |
| Phenol-d6 | 52% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 2
Sample Description: 841110623-02

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 10:00
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/27/2011 23:08 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 19
Sample Weight/Volume: 10.04
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062725.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 12 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 12 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 12 | mg/kg |
| | Total PHC | ND | 12 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 2
 Sample Description: 841110623-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 10:00
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 13:04 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063011.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 16 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 16 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 16 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 16 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 16 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 16 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 16 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| Tetrachloro-m-xylene | 84% | 10%-103% |
| Decachlorobiphenyl | 92% | 10%-142% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 2
 Sample Description: 841110623-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 10:00
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 18:52 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 19
 Dilution Factor: 1
 Lab Data File: Q20633.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 9.8 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 4.9 | ug/kg |
| 71-43-2 | Benzene | ND | 4.9 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 4.9 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 4.9 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 4.9 | ug/kg |
| 75-25-2 | Bromoform | ND | 4.9 | ug/kg |
| 74-83-9 | Bromomethane | ND | 4.9 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 9.8 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 4.9 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 4.9 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 4.9 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 4.9 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 4.9 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 4.9 | ug/kg |
| 75-00-3 | Chloroethane | ND | 4.9 | ug/kg |
| 67-66-3 | Chloroform | ND | 4.9 | ug/kg |
| 74-87-3 | Chloromethane | ND | 4.9 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 4.9 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 4.9 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 4.9 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 4.9 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.49 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 4.9 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 4.9 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 4.9 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 4.9 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 4.9 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 4.9 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 4.9 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 4.9 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 4.9 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 4.9 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 4.9 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 4.9 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 4.9 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 4.9 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 4.9 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 4.9 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 4.9 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 2
 Sample Description: 841110623-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 10:00
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 18:52 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 19
 Dilution Factor: 1
 Lab Data File: Q20633.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 4.9 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 4.9 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 9.8 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 4.9 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 4.9 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 4.9 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 9.8 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 4.9 | ug/kg |
| 91-20-3 | Naphthalene | ND | 4.9 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 4.9 | ug/kg |
| 100-42-5 | Styrene | ND | 4.9 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 4.9 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 4.9 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 4.9 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 4.9 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 4.9 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 4.9 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 4.9 | ug/kg |
| 108-88-3 | Toluene | ND | 4.9 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 4.9 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 4.9 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 4.9 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 4.9 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 4.9 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 4.9 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 4.9 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 4.9 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 4.9 | ug/kg |
| 95-47-6 | o-Xylene | ND | 4.9 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 9.8 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 105% | 82%-120% | |
| Bromofluorobenzene | 98% | 70%-122% | |
| Toluene-d8 | 100% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 3
 Sample Description: 841110623-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 11:15
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 18:01 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 4.7
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32698.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 170 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 170 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 170 | ug/kg |
| 62-53-3 | Aniline | ND | 350 | ug/kg |
| 120-12-7 | Anthracene | ND | 170 | ug/kg |
| 92-52-4 | Biphenyl | ND | 170 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 170 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 170 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 170 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 170 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 170 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 870 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 350 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 170 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 170 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 170 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 350 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 170 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 170 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 170 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 350 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 170 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 170 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 170 | ug/kg |
| 218-01-9 | Chrysene | ND | 170 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 170 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 170 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 170 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 350 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 170 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 170 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 170 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 170 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 170 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 170 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 170 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 170 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 170 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 3
 Sample Description: 841110623-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 11:15
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 18:01 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 4.7
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32698.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 170 | ug/kg |
| 86-73-7 | Fluorene | ND | 170 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 170 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 170 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 170 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 170 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 170 | ug/kg |
| 78-59-1 | Isophorone | ND | 170 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 170 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 170 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 170 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 350 | ug/kg |
| 91-20-3 | Naphthalene | ND | 170 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 350 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 350 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 350 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 170 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 170 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 170 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 170 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 170 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 170 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 170 | ug/kg |
| 108-95-2 | Phenol | ND | 170 | ug/kg |
| 129-00-0 | Pyrene | ND | 170 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 170 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 89% | 18%-118% | |
| 2-Fluorobiphenyl | 54% | 24%-101% | |
| 2-Fluorophenol | 58% | 10%-94% | |
| 4-Terphenyl-d14 | 83% | 20%-133% | |
| Nitrobenzene-d5 | 55% | 16%-98% | |
| Phenol-d6 | 55% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 3
Sample Description: 841110623-03

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 11:15
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/27/2011 23:41 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 4.7
Sample Weight/Volume: 10.08
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062726.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 10 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 10 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 10 | mg/kg |
| | Total PHC | ND | 10 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 3
 Sample Description: 841110623-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 11:15
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 13:23 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 4.7
 Sample Weight/Volume: 30.25
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063012.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 14 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 14 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 14 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 14 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 14 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 14 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 14 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 76% | 10%-103% | |
| Decachlorobiphenyl | 91% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 3
 Sample Description: 841110623-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 11:15
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 19:16 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 4.7
 Dilution Factor: 1
 Lab Data File: Q20634.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.5 | ug/kg |
| 71-43-2 | Benzene | ND | 5.5 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.5 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.5 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.5 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.5 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.5 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.5 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.5 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.5 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.5 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.5 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.5 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.5 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.5 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.5 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.5 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.5 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.5 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.5 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.5 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.5 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.5 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.5 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.5 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.5 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.5 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.5 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.5 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.5 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.5 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.5 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.5 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 3
 Sample Description: 841110623-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 11:15
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 19:16 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 4.7
 Dilution Factor: 1
 Lab Data File: Q20634.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.5 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.5 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.5 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.5 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.5 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.5 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.5 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.5 | ug/kg |
| 100-42-5 | Styrene | ND | 5.5 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.5 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.5 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.5 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.5 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.5 | ug/kg |
| 108-88-3 | Toluene | ND | 5.5 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.5 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.5 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.5 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.5 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.5 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.5 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.5 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.5 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.5 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.5 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 110% | 82%-120% | |
| Bromofluorobenzene | 100% | 70%-122% | |
| Toluene-d8 | 101% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 4
 Sample Description: 841110623-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 12:00
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 17:04 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.08
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32696.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 200 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 200 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 200 | ug/kg |
| 62-53-3 | Aniline | ND | 400 | ug/kg |
| 120-12-7 | Anthracene | ND | 200 | ug/kg |
| 92-52-4 | Biphenyl | ND | 200 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 200 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 200 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 200 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 200 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 200 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 400 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 200 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 200 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 200 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 400 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 200 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 200 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 200 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 400 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 200 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 200 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 200 | ug/kg |
| 218-01-9 | Chrysene | ND | 200 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 200 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 200 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 200 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 400 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 200 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 200 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 200 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 200 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 200 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 200 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 200 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 200 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 200 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 200 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 200 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 4
 Sample Description: 841110623-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 12:00
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 17:04 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.08
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32696.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 200 | ug/kg |
| 86-73-7 | Fluorene | ND | 200 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 200 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 200 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 200 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 200 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 200 | ug/kg |
| 78-59-1 | Isophorone | ND | 200 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 200 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 200 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 200 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 400 | ug/kg |
| 91-20-3 | Naphthalene | ND | 200 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 400 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 400 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 400 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 200 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 200 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 200 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 200 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 200 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 200 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 200 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 200 | ug/kg |
| 108-95-2 | Phenol | ND | 200 | ug/kg |
| 129-00-0 | Pyrene | ND | 200 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 200 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 200 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 200 | ug/kg |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 67% | 18%-118% |
| 2-Fluorobiphenyl | 32% | 24%-101% |
| 2-Fluorophenol | 31% | 10%-94% |
| 4-Terphenyl-d14 | 63% | 20%-133% |
| Nitrobenzene-d5 | 33% | 16%-98% |
| Phenol-d6 | 32% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 4
Sample Description: 841110623-04

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 12:00
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/28/2011 00:14 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 18
Sample Weight/Volume: 10.07
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062727.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 12 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 12 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 12 | mg/kg |
| | Total PHC | ND | 12 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 4
 Sample Description: 841110623-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 12:00
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 13:42 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.20
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063013.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 16 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 16 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 16 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 16 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 16 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 16 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 16 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 71% | 10%-103% | |
| Decachlorobiphenyl | 106% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 4
 Sample Description: 841110623-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 12:00
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 19:40 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 18
 Dilution Factor: 1
 Lab Data File: Q20635.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 99 | 9.9 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/kg |
| 71-43-2 | Benzene | ND | 5.0 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.0 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.0 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.0 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.0 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.0 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | 16 | 9.9 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | ug/kg |
| 75-15-0 | Carbon disulfide | 13 | 5.0 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.0 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.0 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.0 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.0 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.0 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.0 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.0 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.0 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.0 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.0 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.0 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.0 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 4
 Sample Description: 841110623-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 12:00
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 19:40 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 18
 Dilution Factor: 1
 Lab Data File: Q20635.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.0 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 9.9 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.0 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 9.9 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | ug/kg |
| 100-42-5 | Styrene | ND | 5.0 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.0 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.0 | ug/kg |
| 108-88-3 | Toluene | ND | 5.0 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.0 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.0 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.0 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.0 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 9.9 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 101% | 82%-120% | |
| Bromofluorobenzene | 98% | 70%-122% | |
| Toluene-d8 | 102% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 5
 Sample Description: 841110623-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 13:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 19:27 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 5.2
 Sample Weight/Volume: 30.03
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32701.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 180 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 180 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 180 | ug/kg |
| 62-53-3 | Aniline | ND | 350 | ug/kg |
| 120-12-7 | Anthracene | ND | 180 | ug/kg |
| 92-52-4 | Biphenyl | ND | 180 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 180 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 180 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 250 | 180 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 180 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 180 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 880 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 350 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 180 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 180 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 180 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 350 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 180 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 180 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 180 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 350 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 180 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 180 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 180 | ug/kg |
| 218-01-9 | Chrysene | 190 | 180 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 180 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 180 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 180 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 350 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 180 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 180 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 180 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 180 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 180 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 180 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 180 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 180 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 180 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 5
 Sample Description: 841110623-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 13:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/27/2011 16:00 By: DPR
 Date Analyzed: 06/28/2011 19:27 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 5.2
 Sample Weight/Volume: 30.03
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32701.D
 QC Batch#: 86004

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | 390 | 180 | ug/kg |
| 86-73-7 | Fluorene | ND | 180 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 180 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 180 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 180 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 180 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 180 | ug/kg |
| 78-59-1 | Isophorone | ND | 180 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 180 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 180 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 180 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 350 | ug/kg |
| 91-20-3 | Naphthalene | ND | 180 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 350 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 350 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 350 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 180 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 180 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 180 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 180 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 180 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 180 | ug/kg |
| 85-01-8 | Phenanthrene | 180 | 180 | ug/kg |
| 108-95-2 | Phenol | ND | 180 | ug/kg |
| 129-00-0 | Pyrene | 390 | 180 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 180 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 63% | 18%-118% |
| 2-Fluorobiphenyl | 43% | 24%-101% |
| 2-Fluorophenol | 45% | 10%-94% |
| 4-Terphenyl-d14 | 72% | 20%-133% |
| Nitrobenzene-d5 | 44% | 16%-98% |
| Phenol-d6 | 44% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 5
Sample Description: 841110623-05

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 13:20
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/28/2011 00:48 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 5.2
Sample Weight/Volume: 10.03
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062728.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 10 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 10 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 25 | 10 | mg/kg |
| | Total PHC | 25 | 10 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 5
 Sample Description: 841110623-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 13:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 14:01 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 5.2
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063014.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|-----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 140 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 140 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 140 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 140 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 140 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 140 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 140 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 84% | 10%-103% | |
| Decachlorobiphenyl | 124% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 5
 Sample Description: 841110623-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 13:20
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 20:04 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 5.2
 Dilution Factor: 1
 Lab Data File: Q20636.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.6 | ug/kg |
| 71-43-2 | Benzene | ND | 5.6 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.6 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.6 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.6 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.6 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.6 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.6 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.6 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.6 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.6 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.6 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.6 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.6 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.6 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.6 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.6 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.6 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.6 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.6 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.6 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.6 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.6 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.6 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.6 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.6 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.6 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.6 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.6 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.6 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.6 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.6 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.6 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.6 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.6 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.6 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.6 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.6 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 5
 Sample Description: 841110623-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 13:20
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 20:04 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 5.2
 Dilution Factor: 1
 Lab Data File: Q20636.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.6 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.6 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.6 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.6 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.6 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.6 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.6 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.6 | ug/kg |
| 100-42-5 | Styrene | ND | 5.6 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.6 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.6 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.6 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.6 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.6 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.6 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.6 | ug/kg |
| 108-88-3 | Toluene | ND | 5.6 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.6 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.6 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.6 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.6 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.6 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.6 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.6 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.6 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.6 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.6 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 106% | 82%-120% | |
| Bromofluorobenzene | 97% | 70%-122% | |
| Toluene-d8 | 102% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 6
 Sample Description: 841110623-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 14:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 15:31 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32741.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 220 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 220 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 220 | ug/kg |
| 62-53-3 | Aniline | ND | 440 | ug/kg |
| 120-12-7 | Anthracene | ND | 220 | ug/kg |
| 92-52-4 | Biphenyl | ND | 220 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 220 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 220 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 220 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 220 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 220 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1100 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 440 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 220 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 220 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 220 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 440 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 220 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 220 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 220 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 440 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 220 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 220 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 220 | ug/kg |
| 218-01-9 | Chrysene | ND | 220 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 220 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 220 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 220 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 440 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 220 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 220 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 220 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 220 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 220 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 220 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 220 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 220 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 220 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 220 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 220 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 6
 Sample Description: 841110623-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 14:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 15:31 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32741.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 220 | ug/kg |
| 86-73-7 | Fluorene | ND | 220 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 220 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 220 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 220 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 220 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 220 | ug/kg |
| 78-59-1 | Isophorone | ND | 220 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 220 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 220 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 220 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 440 | ug/kg |
| 91-20-3 | Naphthalene | ND | 220 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 440 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 440 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 440 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 220 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 220 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 220 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 220 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 220 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 220 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 220 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 220 | ug/kg |
| 108-95-2 | Phenol | ND | 220 | ug/kg |
| 129-00-0 | Pyrene | ND | 220 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 220 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 220 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 220 | ug/kg |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 73% | 18%-118% |
| 2-Fluorobiphenyl | 24% | 24%-101% |
| 2-Fluorophenol | 26% | 10%-94% |
| 4-Terphenyl-d14 | 82% | 20%-133% |
| Nitrobenzene-d5 | 27% | 16%-98% |
| Phenol-d6 | 25% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 6
Sample Description: 841110623-06

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 14:30
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/28/2011 01:21 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 25
Sample Weight/Volume: 10.14
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062729.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 6
 Sample Description: 841110623-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 14:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 15:37 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063018.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 18 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 18 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 18 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 18 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 18 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 18 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 18 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 82% | 10%-103% | |
| Decachlorobiphenyl | 105% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 6
 Sample Description: 841110623-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 14:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 20:29 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Dilution Factor: 1
 Lab Data File: Q20637.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 100 | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.6 | ug/kg |
| 71-43-2 | Benzene | ND | 5.6 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.6 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.6 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.6 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.6 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.6 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | 23 | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | 12 | 5.6 | ug/kg |
| 135-98-8 | sec-Butylbenzene | 10 | 5.6 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.6 | ug/kg |
| 75-15-0 | Carbon disulfide | 89 | 5.6 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.6 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.6 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.6 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.6 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.6 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.6 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.6 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.6 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.6 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.6 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.6 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | 12 | 5.6 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.6 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.6 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.6 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.6 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.6 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.6 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.6 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.6 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.6 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.6 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.6 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.6 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.6 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.6 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.6 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 6
 Sample Description: 841110623-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 14:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 20:29 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Dilution Factor: 1
 Lab Data File: Q20637.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | 19 | 5.6 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.6 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.6 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | 120 | 5.6 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.6 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.6 | ug/kg |
| 91-20-3 | Naphthalene | 5.7 | 5.6 | ug/kg |
| 103-65-1 | n-Propylbenzene | 6.4 | 5.6 | ug/kg |
| 100-42-5 | Styrene | ND | 5.6 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.6 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.6 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.6 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.6 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.6 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.6 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.6 | ug/kg |
| 108-88-3 | Toluene | ND | 5.6 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 7.5 | 5.6 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7.1 | 5.6 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.6 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.6 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.6 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.6 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 80 | 5.6 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.6 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.6 | ug/kg |
| 95-47-6 | o-Xylene | 43 | 5.6 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 102% | 82%-120% | |
| Bromofluorobenzene | 99% | 70%-122% | |
| Toluene-d8 | 100% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 7
 Sample Description: 841110623-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 16:00 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 8.6
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32742.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 180 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 180 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 180 | ug/kg |
| 62-53-3 | Aniline | ND | 360 | ug/kg |
| 120-12-7 | Anthracene | ND | 180 | ug/kg |
| 92-52-4 | Biphenyl | ND | 180 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | 290 | 180 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | 300 | 180 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 430 | 180 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 180 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | 190 | 180 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 910 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 360 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 180 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 180 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 180 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 360 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 180 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 180 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 180 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 360 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 180 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 180 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 180 | ug/kg |
| 218-01-9 | Chrysene | 340 | 180 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 180 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 180 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 180 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 360 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 180 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 180 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 180 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 180 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 180 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 180 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 180 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 180 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 180 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 7
 Sample Description: 841110623-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 16:00 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 8.6
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32742.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | 620 | 180 | ug/kg |
| 86-73-7 | Fluorene | ND | 180 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 180 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 180 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 180 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 180 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 180 | 180 | ug/kg |
| 78-59-1 | Isophorone | ND | 180 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 180 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 180 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 180 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 360 | ug/kg |
| 91-20-3 | Naphthalene | ND | 180 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 360 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 360 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 360 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 180 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 180 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 180 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 180 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 180 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 180 | ug/kg |
| 85-01-8 | Phenanthrene | 370 | 180 | ug/kg |
| 108-95-2 | Phenol | ND | 180 | ug/kg |
| 129-00-0 | Pyrene | 700 | 180 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 180 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 83% | 18%-118% |
| 2-Fluorobiphenyl | 45% | 24%-101% |
| 2-Fluorophenol | 41% | 10%-94% |
| 4-Terphenyl-d14 | 95% | 20%-133% |
| Nitrobenzene-d5 | 40% | 16%-98% |
| Phenol-d6 | 44% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 7
Sample Description: 841110623-07

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:30
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 11:34 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 8.6
Sample Weight/Volume: 10.02
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062905.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 11 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 11 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 42 | 11 | mg/kg |
| | Total PHC | 42 | 11 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 7
 Sample Description: 841110623-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 14:40 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 8.6
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063016.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|-----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 140 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 140 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 140 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 140 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 140 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 140 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 140 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| Tetrachloro-m-xylene | 59% | 10%-103% |
| Decachlorobiphenyl | 110% | 10%-142% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 7
 Sample Description: 841110623-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 20:53 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 8.6
 Dilution Factor: 1
 Lab Data File: Q20638.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 40 | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/kg |
| 71-43-2 | Benzene | ND | 5.0 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.0 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.0 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.0 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.0 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.0 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.0 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.0 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.0 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.0 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.0 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.0 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.0 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.0 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.0 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.0 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.0 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.0 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.0 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 7
 Sample Description: 841110623-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/27/2011 20:53 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 8.6
 Dilution Factor: 1
 Lab Data File: Q20638.D
 QC Batch#: 85966

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.0 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.0 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | ug/kg |
| 100-42-5 | Styrene | ND | 5.0 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.0 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.0 | ug/kg |
| 108-88-3 | Toluene | ND | 5.0 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.0 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.0 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.0 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.0 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 82%-120% | |
| Bromofluorobenzene | 97% | 70%-122% | |
| Toluene-d8 | 108% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 8
 Sample Description: 841110623-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 10:17 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 30.15
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32756.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 86 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 86 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 86 | ug/kg |
| 62-53-3 | Aniline | ND | 86 | ug/kg |
| 120-12-7 | Anthracene | ND | 86 | ug/kg |
| 92-52-4 | Biphenyl | ND | 86 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 86 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 86 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 86 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 86 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 86 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 430 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 86 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 86 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 86 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 86 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 86 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 86 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 86 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 86 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 86 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 86 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 86 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 86 | ug/kg |
| 218-01-9 | Chrysene | ND | 86 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 86 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 86 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 430 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 86 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 86 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 86 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 86 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 86 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 86 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 86 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 86 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 86 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 430 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 86 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 86 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 8
 Sample Description: 841110623-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 10:17 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 30.15
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32756.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 86 | ug/kg |
| 86-73-7 | Fluorene | ND | 86 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 86 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 86 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 86 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 86 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 86 | ug/kg |
| 78-59-1 | Isophorone | ND | 86 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 86 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | 1200 | 86 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 86 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 170 | ug/kg |
| 91-20-3 | Naphthalene | 3300 | 86 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 86 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 86 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 86 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 86 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 86 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 86 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 86 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 86 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 86 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 430 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 86 | ug/kg |
| 108-95-2 | Phenol | ND | 86 | ug/kg |
| 129-00-0 | Pyrene | ND | 86 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 86 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 86 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 86 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 55% | 18%-118% |
| 2-Fluorobiphenyl | 63% | 24%-101% |
| 2-Fluorophenol | 49% | 10%-94% |
| 4-Terphenyl-d14 | 88% | 20%-133% |
| Nitrobenzene-d5 | 92% | 16%-98% |
| Phenol-d6 | 53% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 8
Sample Description: 841110623-08

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:40
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 17:10 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 23
Sample Weight/Volume: 10.05
Dilution Factor: 4
Extract Volume: 1
Lab Data File: 6062915.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | 2800 | 52 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 1100 | 52 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 52 | mg/kg |
| | Total PHC | 3900 | 52 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 8
 Sample Description: 841110623-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 06/30/2011 15:09 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8063017.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 87 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 87 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 87 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 87 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 87 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 87 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 87 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 54% | 10%-103% | |
| Decachlorobiphenyl | 66% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 8
 Sample Description: 841110623-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:48 By: AMH
 Date Analyzed: 07/02/2011 03:15 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 9.58
 Dilution Factor: 400
 Extract Volume: 12.23214
 Lab Data File: Q20773.D;Q20818.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 3300 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 330 | ug/kg |
| 71-43-2 | Benzene | ND | 330 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 330 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 330 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 330 | ug/kg |
| 75-25-2 | Bromoform | ND | 330 | ug/kg |
| 74-83-9 | Bromomethane | ND | 330 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 3300 | ug/kg |
| 104-51-8 | n-Butylbenzene | 9100 | 330 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 330 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 330 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 330 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 330 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 330 | ug/kg |
| 75-00-3 | Chloroethane | ND | 330 | ug/kg |
| 67-66-3 | Chloroform | ND | 330 | ug/kg |
| 74-87-3 | Chloromethane | ND | 330 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 330 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 330 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 330 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 330 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 330 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 330 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 330 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 330 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 330 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 330 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 330 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 330 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 330 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 330 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 330 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 330 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 330 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 330 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 330 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 330 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 330 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 330 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 8
 Sample Description: 841110623-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:48 By: AMH
 Date Analyzed: 07/02/2011 03:15 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 9.58
 Dilution Factor: 400
 Extract Volume: 12.23214
 Lab Data File: Q20773.D;Q20818.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 33000 | ug/kg |
| 100-41-4 | Ethylbenzene | 90000 | 330 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 330 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 3300 | ug/kg |
| 98-82-8 | Isopropylbenzene | 12000 | 330 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | 44000 | 330 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 330 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 3300 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 660 | ug/kg |
| 91-20-3 | Naphthalene | 12000 | 330 | ug/kg |
| 103-65-1 | n-Propylbenzene | 18000 | 330 | ug/kg |
| 100-42-5 | Styrene | ND | 330 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 330 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 330 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 330 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 330 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 330 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 330 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 330 | ug/kg |
| 108-88-3 | Toluene | 1600 | 330 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 330 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 330 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 330 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 330 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 330 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 330 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 190000 | 330 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 78000 | 330 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 330 | ug/kg |
| 95-47-6 | o-Xylene | 150000 | 330 | ug/kg |
| 108-38-3 | m,p-Xylenes | 350000 | 660 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 103% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Toluene-d8 | 105% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 9
 Sample Description: 841110623-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:50
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 09:20 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 30.10
 Dilution Factor: 4
 Extract Volume: 1
 Lab Data File: L32754.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 170 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 170 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 170 | ug/kg |
| 62-53-3 | Aniline | ND | 170 | ug/kg |
| 120-12-7 | Anthracene | ND | 170 | ug/kg |
| 92-52-4 | Biphenyl | ND | 170 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 170 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 170 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 170 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 170 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 170 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 850 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 170 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 170 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 170 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 170 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 170 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 170 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 170 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 170 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 170 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 170 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 170 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 170 | ug/kg |
| 218-01-9 | Chrysene | ND | 170 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 170 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 170 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 850 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 170 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 170 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 170 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 170 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 170 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 170 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 170 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 170 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 170 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 850 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 170 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 170 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 9
 Sample Description: 841110623-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:50
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 09:20 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 30.10
 Dilution Factor: 4
 Extract Volume: 1
 Lab Data File: L32754.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 170 | ug/kg |
| 86-73-7 | Fluorene | ND | 170 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 170 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 170 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 170 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 170 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 170 | ug/kg |
| 78-59-1 | Isophorone | ND | 170 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 170 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | 1100 | 170 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 170 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 340 | ug/kg |
| 91-20-3 | Naphthalene | 3700 | 170 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 170 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 170 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 170 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 170 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 170 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 170 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 170 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 170 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 170 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 850 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 170 | ug/kg |
| 108-95-2 | Phenol | ND | 170 | ug/kg |
| 129-00-0 | Pyrene | ND | 170 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 170 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 170 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 170 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 57% | 18%-118% |
| 2-Fluorobiphenyl | 53% | 24%-101% |
| 2-Fluorophenol | 44% | 10%-94% |
| 4-Terphenyl-d14 | 68% | 20%-133% |
| Nitrobenzene-d5 | 92% | 16%-98% |
| Phenol-d6 | 53% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 9
Sample Description: 841110623-09

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:50
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 17:43 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 22
Sample Weight/Volume: 10.03
Dilution Factor: 4
Extract Volume: 1
Lab Data File: 6062916.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | 2900 | 51 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 920 | 51 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 51 | mg/kg |
| | Total PHC | 3800 | 51 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 9
 Sample Description: 841110623-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:50
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 07/01/2011 10:35 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 30.20
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070105.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|-----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 170 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 170 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 170 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 170 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 170 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 170 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 170 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 80% | 10%-103% | |
| Decachlorobiphenyl | 84% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 9
 Sample Description: 841110623-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:50
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:48 By: AMH
 Date Analyzed: 07/02/2011 03:38 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 11.54
 Dilution Factor: 400
 Extract Volume: 12.55034
 Lab Data File: Q20774.D;Q20791.D353.30
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 2800 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 280 | ug/kg |
| 71-43-2 | Benzene | ND | 280 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 280 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 280 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 280 | ug/kg |
| 75-25-2 | Bromoform | ND | 280 | ug/kg |
| 74-83-9 | Bromomethane | ND | 280 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 2800 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 280 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 280 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 280 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 280 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 280 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 280 | ug/kg |
| 75-00-3 | Chloroethane | ND | 280 | ug/kg |
| 67-66-3 | Chloroform | ND | 280 | ug/kg |
| 74-87-3 | Chloromethane | ND | 280 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 280 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 280 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 280 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 280 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 280 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 280 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 280 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 280 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 280 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 280 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 280 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 280 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 280 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 280 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 280 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 280 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 280 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 280 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 280 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 280 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 280 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 280 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 9
 Sample Description: 841110623-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 15:50
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:48 By: AMH
 Date Analyzed: 07/02/2011 03:38 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 11.54
 Dilution Factor: 400
 Extract Volume: 12.55034
 Lab Data File: Q20774.D;Q20791.D353.30
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 28000 | ug/kg |
| 100-41-4 | Ethylbenzene | 140000 | 280 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 280 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 2800 | ug/kg |
| 98-82-8 | Isopropylbenzene | 15000 | 280 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | 42000 | 280 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 280 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 2800 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 560 | ug/kg |
| 91-20-3 | Naphthalene | 13000 | 280 | ug/kg |
| 103-65-1 | n-Propylbenzene | 21000 | 280 | ug/kg |
| 100-42-5 | Styrene | ND | 280 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 280 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 280 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 280 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 280 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 280 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 280 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 280 | ug/kg |
| 108-88-3 | Toluene | 2200 | 280 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 280 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 280 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 280 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 280 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 280 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 280 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 220000 | 280 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 81000 | 280 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 280 | ug/kg |
| 95-47-6 | o-Xylene | 200000 | 280 | ug/kg |
| 108-38-3 | m,p-Xylenes | 440000 | 560 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 101% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Toluene-d8 | 103% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 10
 Sample Description: 841110623-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 10:45 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 8.1
 Sample Weight/Volume: 30.10
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32757.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 72 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 72 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 72 | ug/kg |
| 62-53-3 | Aniline | ND | 72 | ug/kg |
| 120-12-7 | Anthracene | 260 | 72 | ug/kg |
| 92-52-4 | Biphenyl | ND | 72 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | 1100 | 72 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | 1200 | 72 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 1600 | 72 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | 520 | 72 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | 710 | 72 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 360 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 72 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 72 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 72 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 72 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 72 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 110 | 72 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 72 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 72 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 72 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 72 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 72 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 72 | ug/kg |
| 218-01-9 | Chrysene | 1200 | 72 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | 180 | 72 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 72 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 360 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 72 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 72 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 72 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 72 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 72 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 72 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 72 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 72 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 72 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 360 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 72 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 72 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 10
 Sample Description: 841110623-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 10:45 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 8.1
 Sample Weight/Volume: 30.10
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32757.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | 1900 | 72 | ug/kg |
| 86-73-7 | Fluorene | 95 | 72 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 72 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 72 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 72 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 72 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 620 | 72 | ug/kg |
| 78-59-1 | Isophorone | ND | 72 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 72 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 72 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 72 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 140 | ug/kg |
| 91-20-3 | Naphthalene | ND | 72 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 72 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 72 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 72 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 72 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 72 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 72 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 72 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 72 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 72 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 360 | ug/kg |
| 85-01-8 | Phenanthrene | 1400 | 72 | ug/kg |
| 108-95-2 | Phenol | ND | 72 | ug/kg |
| 129-00-0 | Pyrene | 2600 | 72 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 72 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 72 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 72 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 80% | 18%-118% |
| 2-Fluorobiphenyl | 29% | 24%-101% |
| 2-Fluorophenol | 25% | 10%-94% |
| 4-Terphenyl-d14 | 106% | 20%-133% |
| Nitrobenzene-d5 | 26% | 16%-98% |
| Phenol-d6 | 26% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 10
Sample Description: 841110623-10

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:30
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 13:48 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 8.1
Sample Weight/Volume: 10.00
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062909.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 11 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 11 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 220 | 11 | mg/kg |
| | Total PHC | 220 | 11 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 10
 Sample Description: 841110623-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 07/01/2011 09:31 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 8.1
 Sample Weight/Volume: 30.25
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070103.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|------|-------|
| 12674-11-2 | Aroclor 1016 | ND | 2900 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 2900 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 2900 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 2900 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 2900 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 2900 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 2900 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| Tetrachloro-m-xylene | 56% | 10%-103% |
| Decachlorobiphenyl | 141% | 10%-142% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 10
 Sample Description: 841110623-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/29/2011 11:05 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 8.1
 Dilution Factor: 1
 Lab Data File: J45971.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/kg |
| 71-43-2 | Benzene | ND | 5.0 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.0 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.0 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.0 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.0 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.0 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.0 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.0 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.0 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.0 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.0 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.0 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.0 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.0 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.0 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.0 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.0 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.0 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.0 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 10
 Sample Description: 841110623-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/29/2011 11:05 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 8.1
 Dilution Factor: 1
 Lab Data File: J45971.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.0 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.0 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/kg |
| 91-20-3 | Naphthalene | 14 | 5.0 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | ug/kg |
| 100-42-5 | Styrene | ND | 5.0 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.0 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.0 | ug/kg |
| 108-88-3 | Toluene | ND | 5.0 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.0 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.0 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.0 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.0 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 105% | 82%-120% | |
| Bromofluorobenzene | 90% | 70%-122% | |
| Toluene-d8 | 106% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 11
 Sample Description: 841110623-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 11:14 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.10
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32758.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 82 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 82 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 82 | ug/kg |
| 62-53-3 | Aniline | ND | 82 | ug/kg |
| 120-12-7 | Anthracene | ND | 82 | ug/kg |
| 92-52-4 | Biphenyl | ND | 82 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 82 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 82 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 82 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 82 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 82 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 410 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 82 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 82 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 82 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 82 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 82 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 82 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 82 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 82 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 82 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 82 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 82 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 82 | ug/kg |
| 218-01-9 | Chrysene | ND | 82 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 82 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 82 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 410 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 82 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 82 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 82 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 82 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 82 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 82 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 82 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 82 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 82 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 410 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 82 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 82 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 11
 Sample Description: 841110623-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 11:14 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.10
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32758.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 82 | ug/kg |
| 86-73-7 | Fluorene | ND | 82 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 82 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 82 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 82 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 82 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 82 | ug/kg |
| 78-59-1 | Isophorone | ND | 82 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 82 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | 3000 | 82 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 82 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 160 | ug/kg |
| 91-20-3 | Naphthalene | 5600 | 82 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 82 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 82 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 82 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 82 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 82 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 82 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 82 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 82 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 82 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 410 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 82 | ug/kg |
| 108-95-2 | Phenol | ND | 82 | ug/kg |
| 129-00-0 | Pyrene | ND | 82 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 82 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 82 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 82 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 38% | 18%-118% |
| 2-Fluorobiphenyl | 37% | 24%-101% |
| 2-Fluorophenol | 26% | 10%-94% |
| 4-Terphenyl-d14 | 88% | 20%-133% |
| Nitrobenzene-d5 | 120% | 16%-98% |
| Phenol-d6 | 17% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 11
Sample Description: 841110623-11

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:40
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 18:50 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 19
Sample Weight/Volume: 10.09
Dilution Factor: 25
Extract Volume: 1
Lab Data File: 6062918.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|-----|-------|
| | C6-C12 Light Petroleum Distillate | 14000 | 300 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 2300 | 300 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 300 | mg/kg |
| | Total PHC | 16000 | 300 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 11
 Sample Description: 841110623-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 07/01/2011 11:55 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070108.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|-----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 160 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 160 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 160 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 160 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 160 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 160 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 160 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 59% | 10%-103% | |
| Decachlorobiphenyl | 72% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 11
 Sample Description: 841110623-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:49 By: AMH
 Date Analyzed: 07/02/2011 04:01 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 11.26
 Dilution Factor: 400
 Extract Volume: 12.11688
 Lab Data File: Q20775.D;Q20792.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 2600 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 260 | ug/kg |
| 71-43-2 | Benzene | ND | 260 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 260 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 260 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 260 | ug/kg |
| 75-25-2 | Bromoform | ND | 260 | ug/kg |
| 74-83-9 | Bromomethane | ND | 260 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 2600 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 260 | ug/kg |
| 135-98-8 | sec-Butylbenzene | 19000 | 260 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 260 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 260 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 260 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 260 | ug/kg |
| 75-00-3 | Chloroethane | ND | 260 | ug/kg |
| 67-66-3 | Chloroform | ND | 260 | ug/kg |
| 74-87-3 | Chloromethane | ND | 260 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 260 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 260 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 260 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 260 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 260 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 260 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 260 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 260 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 260 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 260 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 260 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 260 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 260 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 260 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 260 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 260 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 260 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 260 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 260 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 260 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 260 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 260 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 11
 Sample Description: 841110623-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 16:40
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:49 By: AMH
 Date Analyzed: 07/02/2011 04:01 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 11.26
 Dilution Factor: 400
 Extract Volume: 12.11688
 Lab Data File: Q20775.D;Q20792.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 26000 | ug/kg |
| 100-41-4 | Ethylbenzene | 40000 | 260 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 260 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 2600 | ug/kg |
| 98-82-8 | Isopropylbenzene | 12000 | 260 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | 74000 | 260 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 260 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 2600 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 530 | ug/kg |
| 91-20-3 | Naphthalene | 21000 | 260 | ug/kg |
| 103-65-1 | n-Propylbenzene | 34000 | 260 | ug/kg |
| 100-42-5 | Styrene | ND | 260 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 260 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 260 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 260 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 260 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 260 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 260 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 260 | ug/kg |
| 108-88-3 | Toluene | 2200 | 260 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 260 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 260 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 260 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 260 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 260 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 260 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 360000 | 260 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 180000 | 260 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 260 | ug/kg |
| 95-47-6 | o-Xylene | 68000 | 260 | ug/kg |
| 108-38-3 | m,p-Xylenes | 170000 | 530 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 105% | 88%-111% | |
| Toluene-d8 | 102% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 12
 Sample Description: 841110623-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:10
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 11:43 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 5.6
 Sample Weight/Volume: 30.20
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32759.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 70 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 70 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 70 | ug/kg |
| 62-53-3 | Aniline | ND | 70 | ug/kg |
| 120-12-7 | Anthracene | ND | 70 | ug/kg |
| 92-52-4 | Biphenyl | ND | 70 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 70 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 70 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 70 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 70 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 70 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 350 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 70 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 70 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 70 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 70 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 70 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 70 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 70 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 70 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 70 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 70 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 70 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 70 | ug/kg |
| 218-01-9 | Chrysene | ND | 70 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 70 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 70 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 350 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 70 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 70 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 70 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 70 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 70 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 70 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 70 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 70 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 70 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 350 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 70 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 70 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 12
 Sample Description: 841110623-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:10
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 11:43 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 5.6
 Sample Weight/Volume: 30.20
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32759.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 70 | ug/kg |
| 86-73-7 | Fluorene | ND | 70 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 70 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 70 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 70 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 70 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 70 | ug/kg |
| 78-59-1 | Isophorone | ND | 70 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 70 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 70 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 70 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 140 | ug/kg |
| 91-20-3 | Naphthalene | ND | 70 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 70 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 70 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 70 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 70 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 70 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 70 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 70 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 70 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 70 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 350 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 70 | ug/kg |
| 108-95-2 | Phenol | ND | 70 | ug/kg |
| 129-00-0 | Pyrene | ND | 70 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 70 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 70 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 70 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 67% | 18%-118% | |
| 2-Fluorobiphenyl | 33% | 24%-101% | |
| 2-Fluorophenol | 22% | 10%-94% | |
| 4-Terphenyl-d14 | 98% | 20%-133% | |
| Nitrobenzene-d5 | 22% | 16%-98% | |
| Phenol-d6 | 24% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 12
Sample Description: 841110623-12

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:10
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 14:22 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 5.6
Sample Weight/Volume: 10.05
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062910.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 10 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 10 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 200 | 10 | mg/kg |
| | Total PHC | 200 | 10 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 12
 Sample Description: 841110623-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:10
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 07/01/2011 10:16 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 5.6
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070104.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|-----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 700 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 700 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 700 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 700 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 700 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 700 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 700 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| Tetrachloro-m-xylene | 69% | 10%-103% |
| Decachlorobiphenyl | 86% | 10%-142% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 12
 Sample Description: 841110623-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:10
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/29/2011 11:32 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 5.6
 Dilution Factor: 1
 Lab Data File: J45972.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.1 | ug/kg |
| 71-43-2 | Benzene | ND | 5.1 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.1 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.1 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.1 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.1 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.1 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.1 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.1 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.1 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.1 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.1 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.1 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.1 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.1 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.1 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.1 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.1 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.1 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.1 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.1 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.1 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.1 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.1 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.1 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.1 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.1 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.1 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.1 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.1 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.1 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.1 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.1 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.1 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.1 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.1 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.1 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.1 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 12
 Sample Description: 841110623-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:10
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/29/2011 11:32 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 5.6
 Dilution Factor: 1
 Lab Data File: J45972.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.1 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.1 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.1 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.1 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.1 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.1 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.1 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.1 | ug/kg |
| 100-42-5 | Styrene | ND | 5.1 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.1 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.1 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.1 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.1 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.1 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.1 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.1 | ug/kg |
| 108-88-3 | Toluene | ND | 5.1 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.1 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.1 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.1 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.1 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.1 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.1 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.1 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.1 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.1 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.1 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 105% | 82%-120% | |
| Bromofluorobenzene | 98% | 70%-122% | |
| Toluene-d8 | 99% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 13
 Sample Description: 841110623-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 09:49 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.00
 Dilution Factor: 4
 Extract Volume: 1
 Lab Data File: L32755.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 160 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 160 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 160 | ug/kg |
| 62-53-3 | Aniline | ND | 160 | ug/kg |
| 120-12-7 | Anthracene | ND | 160 | ug/kg |
| 92-52-4 | Biphenyl | ND | 160 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 160 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 160 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 160 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 160 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 160 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 820 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 160 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 160 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 160 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 160 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 160 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 160 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 160 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 160 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 160 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 160 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 160 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 160 | ug/kg |
| 218-01-9 | Chrysene | ND | 160 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 160 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 160 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 820 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 160 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 160 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 160 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 160 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 160 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 160 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 160 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 160 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 160 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 820 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 160 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 160 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 13
 Sample Description: 841110623-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 09:49 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.00
 Dilution Factor: 4
 Extract Volume: 1
 Lab Data File: L32755.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 160 | ug/kg |
| 86-73-7 | Fluorene | ND | 160 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 160 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 160 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 160 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 160 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 160 | ug/kg |
| 78-59-1 | Isophorone | ND | 160 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 160 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | 900 | 160 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 160 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 330 | ug/kg |
| 91-20-3 | Naphthalene | 4400 | 160 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 160 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 160 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 160 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 160 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 160 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 160 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 160 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 160 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 160 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 820 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 160 | ug/kg |
| 108-95-2 | Phenol | ND | 160 | ug/kg |
| 129-00-0 | Pyrene | ND | 160 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 160 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 160 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 160 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 38% | 18%-118% | |
| 2-Fluorobiphenyl | 70% | 24%-101% | |
| 2-Fluorophenol | 13% | 10%-94% | |
| 4-Terphenyl-d14 | 83% | 20%-133% | |
| Nitrobenzene-d5 | 102% | 16%-98% | |
| Phenol-d6 | 63% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
Sample No: 13
Sample Description: 841110623-13

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:20
Date Received: 06/24/2011 16:21
Date Extracted: 06/27/2011 10:00 By: DPR
Date Analyzed: 06/29/2011 18:17 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 19
Sample Weight/Volume: 10.05
Dilution Factor: 10
Extract Volume: 1
Lab Data File: 6062917.D
QC Batch#: 86002

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|-----|-------|
| | C6-C12 Light Petroleum Distillate | 6200 | 120 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 2700 | 120 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 120 | mg/kg |
| | Total PHC | 9000 | 120 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 13
 Sample Description: 841110623-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 10:00 By: AJM
 Date Analyzed: 07/01/2011 11:13 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070107.D
 QC Batch#: 86108

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 82 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 82 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 82 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 82 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 82 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 82 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 82 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| Tetrachloro-m-xylene | 66% | 10%-103% |
| Decachlorobiphenyl | 89% | 10%-142% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 13
 Sample Description: 841110623-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:49 By: AMH
 Date Analyzed: 07/02/2011 04:24 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 11.09
 Dilution Factor: 200
 Extract Volume: 12.12928
 Lab Data File: Q20776.D;Q20819.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1400 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 140 | ug/kg |
| 71-43-2 | Benzene | 320 | 140 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 140 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 140 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 140 | ug/kg |
| 75-25-2 | Bromoform | ND | 140 | ug/kg |
| 74-83-9 | Bromomethane | ND | 140 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 1400 | ug/kg |
| 104-51-8 | n-Butylbenzene | 5500 | 140 | ug/kg |
| 135-98-8 | sec-Butylbenzene | 5300 | 140 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 140 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 140 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 140 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 140 | ug/kg |
| 75-00-3 | Chloroethane | ND | 140 | ug/kg |
| 67-66-3 | Chloroform | ND | 140 | ug/kg |
| 74-87-3 | Chloromethane | ND | 140 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 140 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 140 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 140 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 140 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 140 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 140 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 140 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 140 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 140 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 140 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 140 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 140 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 140 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 140 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 140 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 140 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 140 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 140 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 140 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 140 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 140 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 140 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 13
 Sample Description: 841110623-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:20
 Date Received: 06/24/2011 16:21
 Date Extracted: 07/01/2011 13:49 By: AMH
 Date Analyzed: 07/02/2011 04:24 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 19
 Sample Weight/Volume: 11.09
 Dilution Factor: 200
 Extract Volume: 12.12928
 Lab Data File: Q20776.D;Q20819.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|---------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 14000 | ug/kg |
| 100-41-4 | Ethylbenzene | 630000 | 140 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 140 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 1400 | ug/kg |
| 98-82-8 | Isopropylbenzene | 20000 | 140 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | 7500 | 140 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 140 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 1400 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 270 | ug/kg |
| 91-20-3 | Naphthalene | 12000 | 140 | ug/kg |
| 103-65-1 | n-Propylbenzene | 20000 | 140 | ug/kg |
| 100-42-5 | Styrene | ND | 140 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 140 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 140 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 140 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 140 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 140 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 140 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 140 | ug/kg |
| 108-88-3 | Toluene | 32000 | 140 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 140 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 140 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 140 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 140 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 140 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 140 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 120000 | 140 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 53000 | 140 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 140 | ug/kg |
| 95-47-6 | o-Xylene | 680000 | 140 | ug/kg |
| 108-38-3 | m,p-Xylenes | 1900000 | 270 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 102% | 88%-111% | |
| Toluene-d8 | 97% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 14
 Sample Description: 841110623-14

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 09:17 By: AMH
 Date Analyzed: 06/28/2011 19:57 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 10.00
 Dilution Factor: 50
 Extract Volume: 20
 Lab Data File: Q20677.D
 QC Batch#: 86023

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1000 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 1200 | ug/L |
| 71-43-2 | Benzene | ND | 250 | ug/L |
| 108-86-1 | Bromobenzene | ND | 250 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 250 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 250 | ug/L |
| 75-25-2 | Bromoform | ND | 250 | ug/L |
| 74-83-9 | Bromomethane | ND | 250 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 500 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 250 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 250 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 250 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 250 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 250 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 250 | ug/L |
| 75-00-3 | Chloroethane | ND | 250 | ug/L |
| 67-66-3 | Chloroform | ND | 250 | ug/L |
| 74-87-3 | Chloromethane | ND | 250 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 250 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 250 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 250 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 250 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 250 | ug/L |
| 74-95-3 | Dibromomethane | ND | 250 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 250 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 250 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 250 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 250 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 250 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 250 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 250 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 250 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 250 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 250 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 250 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 250 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 250 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 250 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 250 | ug/L |
| 60-29-7 | Diethyl ether | ND | 500 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 14
 Sample Description: 841110623-14

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:30
 Date Received: 06/24/2011 16:21
 Date Extracted: 06/28/2011 09:17 By: AMH
 Date Analyzed: 06/28/2011 19:57 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 10.00
 Dilution Factor: 50
 Extract Volume: 20
 Lab Data File: Q20677.D
 QC Batch#: 86023

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 2500 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 250 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 250 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 500 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 250 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 250 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 250 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 500 | ug/L |
| 75-09-2 | Methylene chloride | ND | 250 | ug/L |
| 91-20-3 | Naphthalene | ND | 250 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 250 | ug/L |
| 100-42-5 | Styrene | ND | 250 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 250 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 250 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 250 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 250 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 250 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 250 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 250 | ug/L |
| 108-88-3 | Toluene | ND | 250 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 250 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 250 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 250 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 250 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 250 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 250 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 250 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 250 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 250 | ug/L |
| 95-47-6 | o-Xylene | ND | 250 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 500 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 94% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 108% | 88%-111% | |
| Toluene-d8 | 103% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 15
 Sample Description: 841110623-15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/28/2011 18:48 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20674.D
 QC Batch#: 86023

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | 1.7 | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106G90
 Sample No: 15
 Sample Description: 841110623-15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/23/2011 17:30
 Date Received: 06/24/2011 16:21
 Date Analyzed: 06/28/2011 18:48 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20674.D
 QC Batch#: 86023

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 106% | 88%-111% | |
| Bromofluorobenzene | 96% | 92%-110% | |
| Toluene-d8 | 103% | 90%-118% | |



FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201
- 78 Interstate Drive, West Springfield, MA 01089

E106690 747
317 Iron Horse Way, Suite 209
80 Redfield Street, Suite 100, Boston, MA 02122
80 Promenade Street, Suite 200, Providence, RI 02908
80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 22050

Turnaround

- 1 Day* 3 Days* Other _____ (days)
- 2 Days* Standard (____ days) *Surcharge Applies

PROJECT NAME: **Colos and Chemical Woonsocket, RI** PROJECT LOCATION: **Woonsocket, RI** PROJECT NUMBER: **209153A-A20** LABORATORY: **Premier Containers**

REPORT TO: **Patrick Dowling, pdowling@fandO.com**
 INVOICE TO: **Cynthia Giambresco, RIDEEM**
 P.O. No.: **041209153A A20**

Sampler's Signature: *[Signature]* Date: **6/23/11**
 Source Codes: **W=Potable Water S=Soil W=Waste**
MW=Monitoring Well T=Treatment Facility B=Sediment A=Air
SW=Surface Water X=Other

Analysis Request: **VOC by D266**
16 Metals by GC/MS
TPH by GC/MS
PCBs by GC/MS

| Item No. | Transfer Check | | | | Sample Number | Source Code | Date Sampled | Time Sampled | Date | Time | Comments |
|----------|----------------|---|---|---|---------------|-------------|--------------|--------------|---------|------|----------|
| | 1 | 2 | 3 | 4 | | | | | | | |
| 1 | ✓ | | | | 84110623-01 | S | 6/23/11 | 0930 | 6/23/11 | 1850 | |
| 2 | ✓ | | | | -02 | | | 1800 | | 1850 | |
| 3 | ✓ | | | | -03 | | | 1115 | | 1430 | |
| 4 | ✓ | | | | -04 | | | 1200 | | 1430 | |
| 5 | ✓ | | | | -05 | | | 1320 | | 1430 | |
| 6 | ✓ | | | | -06 | | | 1430 | | 1430 | |
| 7 | ✓ | | | | -07 | | | 1530 | | 1430 | |
| 8 | ✓ | | | | -08 | | | 1540 | | 1430 | |
| 9 | ✓ | | | | -09 | | | 1550 | | 1430 | |
| 10 | ✓ | | | | -10 | | | 1630 | | 1430 | |

* limited sample volume, see instr. below

| Transfer Number | Relinquished By | Accepted By | Date | Time | Reporting and Detection Limit Requirements | Additional Comments |
|-----------------|--------------------|--------------------|---------|------|--|--|
| 1 | <i>[Signature]</i> | <i>[Signature]</i> | 6/23/11 | 1850 | RIDEEM R-DEC; GB-LC | * priority for sample -04: 1) metals 2) SVOC 3) PCB 4) TPH |
| 2 | <i>[Signature]</i> | <i>[Signature]</i> | 6/24/11 | 1430 | | - see attached memo |
| 3 | <i>[Signature]</i> | <i>[Signature]</i> | 6/24/11 | | | - please complete attached checklist |
| 4 | <i>[Signature]</i> | <i>[Signature]</i> | 6/24/11 | 1622 | | |



FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201
- 78 Interstate Drive, West Springfield, MA 01089

E106690-744
317 For three way, Suite 204
50 Redfield Street, Suite 100, Boston, MA 02122
777 Promenade Street, Suite 350, Providence, RI 02908
80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 22051

Turnaround

- 1 Day* 3 Days* Other _____ (days)
- 2 Days* Standard (____ days) *Surcharge Applies

| PROJECT NAME Color + Chemical | | PROJECT LOCATION Woodsland, RI | | PROJECT NUMBER 2091532 AAO | | LABORATORY Freemant Containers | |
|---|----------------|--|-------------|--|--------------|--|-----------------|
| REPORT TO: Patrick Daulton, pdaulton@fand.com | | Analysis Request | | Turnaround Freemant Containers | | | |
| INVOICE TO: Cynthia Winters, cwinters@fand.com | | | | | | | |
| P.O. NO.: 8412001532.AAO | | | | | | | |
| Sampler's Signature: | | Date: 6/23/11 | | | | | |
| Source Codes: MW=Monitoring Well S=Soil W=Waste SW=Surface Water T=Treatment Facility B=Sediment A=Air | | | | | | | |
| X=Other Top Blank | | | | | | | |
| Item No. | Transfer Check | Sample Number | Source Code | Date Sampled | Time Sampled | Soil VOA Val. [] | Comments |
| 11 | ✓ | 84110623-11 | S | 6/23/11 | 1640 | Soil VOA Val. [] | |
| 12 | ✓ | -12 | ↓ | | 1710 | Soil VOA Val. [] | |
| 13 | ✓ | -13 | ↓ | | 1720 | Soil VOA Val. [] | |
| 14 | ✓ | -14 | X | | 1730 | Soil VOA Val. [] | Top Blank soil |
| 15 | ✓ | -15 | X | | 1730 | Soil VOA Val. [] | Top Blank water |

VOC by 220
16 Metals by 220
12 Metals by 220
12 Metals by 220
12 Metals by 220

| Transfer Number | Relinquished By | Accepted By | Date | Time | Reporting and Detection Limit Requirements: |
|-----------------|-----------------|-------------|---------|------|---|
| 1 | | Freemant | 6/23/11 | 1630 | RIDEEM R/DEC + CB-LC |
| 2 | | Freemant | 6/23/11 | 1430 | Additional Comments: See attached memo |
| 3 | | Freemant | 6/23/11 | | |
| 4 | | Freemant | 6/23/11 | 1621 | - complete checklist |

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS?*****

| | | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|----|---|-------------------------------------|-------------------------------------|-----------------|
| 1. | SDG Project Narratives | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>1</u> |
| 2. | Traffic Report | <input type="checkbox"/> | <input type="checkbox"/> | <u>N/A</u> |
| 3. | Volatiles Data | | | |
| a. | Sample Data | | | |
| | Target Compound List (TCL) Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Reconstructed total ion chromatograms (RIC) for each sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | For each sample: | | | |
| | Raw spectra and background-subtracted mass spectra of target compounds identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Mass spectra of all reported TICs with three best library matches | <input type="checkbox"/> | <input type="checkbox"/> | <u>N/A</u> |
| | Percent solids calculations | <input type="checkbox"/> | <input type="checkbox"/> | <u>N/A</u> |
| b. | Standards Data (all instruments) | | | |
| | Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Internal Standard Area Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| c. | Raw QC Data | | | |
| | Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | <u>N/A</u> |
| | Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | <u>N/A</u> |
| 4. | Semivolatiles Data | | | |
| a. | QC Summary | | | |
| | Surrogate Percent Recovery Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | MS/MSD Summary | <input type="checkbox"/> | <input type="checkbox"/> | <u>N/A</u> |
| | Method Blank Summary | | <input checked="" type="checkbox"/> | |
| | Tuning and Mass Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS
 (Continued)**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|-------------------------------------|------------------|
| b. Sample Data | | | |
| TCL Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tentatively Identified Compounds | <input type="checkbox"/> | <input type="checkbox"/> | _____ <i>N/A</i> |
| Reconstructed total ion chromatograms (RIC) for each Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| For each sample: Raw spectra and background-subtracted mass spectra of TCL compounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Mass spectra of TICs with 3 best library matches | | <input type="checkbox"/> | _____ <i>N/A</i> |
| GPC chromatograms (if GPC performed) | <input type="checkbox"/> | <input type="checkbox"/> | _____ <i>N/A</i> |
| c. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| d. Raw QC Data | | | |
| Decafluorotriphenylphosphine (DFTPP) | | <input checked="" type="checkbox"/> | _____ |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ <i>N/A</i> |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ <i>N/A</i> |
| 5. Miscellaneous Data | | | |
| Original preparation and analysis forms or copies of preparation and analysis log book pages | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal sample & sample extract transfer chain-of custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Screening Records | <input type="checkbox"/> | <input type="checkbox"/> | _____ <i>N/A</i> |



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)

PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS:**

| | YES | NO | COMMENTS |
|---|-------------------------------------|--------------------------|----------|
| 6. Chain-of-Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-in Sheet (Lab & DC1) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Miscellaneous Shipping/Receiving Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 8. Other Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 9. Comments: | _____ | | |
| _____ | | | |
| _____ | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: Montgomery
(Lab) (Signature)

Lisa Montgomery QA
(Printed Name/Title) OFFICER

7/18/11
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Montgomery
(Lab) (Signature)

Lisa Montgomery QA
(Printed Name/Title) OFFICER

7/18/11
Date



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
INORGANIC COMPOUNDS

PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS? **

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|-------------------------------------|-------------------------------------|--------------------------|
| 1. SDG Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 2. Inorganic Analysis Data Sheet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Initial and Continuing Calibration Verification | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 4. CRDL Standard for AA and ICP | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 6. ICP Interference Check Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 7. Spike Sample Recovery | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 8. Post Digest Spike Sample Recovery | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| 9. Duplicates | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 10. Laboratory Control Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 11. Standard Addition Results | <input type="checkbox"/> | <input checked="" type="checkbox"/> | NA |
| 12. ICP Serial Dilutions | <input type="checkbox"/> | <input checked="" type="checkbox"/> | NA |
| 13. Instrument Detection Limits, Quarterly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Annually |
| 14. ICP Interelement Correction Factors, Annually | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 15. ICP Linear Ranges Quarterly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 16. Preparation Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Analysis Run Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 18. ICP Raw Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 19. Furnace AA Raw Data | <input type="checkbox"/> | <input checked="" type="checkbox"/> | NA |
| 20. Mercury Raw Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 21. Percent Solids Calculations | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 22. Digestion Logs | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 23. EPA Shipping/Receiving Records (List all individual records) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Chain-of Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-In sheet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 24. Miscellaneous Shipping/Receiving Records (List all individual records) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | LIMS |
| _____ | | | |
| _____ | | | |
| _____ | | | |

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 INORGANIC COMPOUNDS
 (Continued)**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-------------------|
| 25. Internal Lab Sample Transfer Records and Tracking Sheets (Describe or List) | | | |
| | | | <u>NA</u> |
| 26. Internal Original Sample Preparation and analysis Records (Describe or List | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Preparation Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>logbook</u> |
| Analysis Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>electronic</u> |
| Description | <input type="checkbox"/> | <input type="checkbox"/> | |
| 27. Other Records (Describe or List) | | | |
| | | | |
| 28. Comments: | | | |
| | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: K. Laliberte K. Laliberte 07/01/11
 (Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Montgomery Lisa Montgomery 7/1/11
 (Lab) (Signature) (Printed Name/Title) Date



**Modified Tier II
Data Validation Narrative**

Project: 20091532A20, Woonsocket Color and Chemical

| | |
|---|------------------|
| Premier Laboratory Project Number: | E106H63-1 |
| Date Samples Received at Laboratory: | June 27, 2011 |
| Date of Review: | December 4, 2013 |

Seventeen soil samples, including one duplicate sample, were collected and submitted to Premier Laboratory, Inc. (Premier). The samples were analyzed for the following analytes using the designated methods:

- Volatile organic compounds (VOC) by the United States Environmental Protection Agency (USEPA) Method 8260
- Semi-volatile organic compounds (SVOC) by USEPA Method 8270
- Polychlorinated biphenyls (PCB) by USEPA Method 8082
- Total petroleum hydrocarbons (TPH) by USEPA Method 8100
- Sixteen metals by USEPA Methods 6010/7471 including arsenic, barium, cadmium, chromium, lead, selenium, silver, zinc, vanadium, thallium, nickel, manganese, copper, beryllium, antimony, and mercury

In addition, two laboratory-supplied trip blanks, including one methanol-preserved and one hydrochloric acid-preserved trip blank, were submitted for analysis of VOC by USEPA Method 8260. Dedicated sampling equipment was utilized, so equipment blanks and field blanks were not collected during these sampling activities.

One compound, carbon disulfide, was detected in the HCl-preserved trip blank at a concentration of 1.8 µg/L, exceeding the laboratory detection limit of 1.0 µg/L. This compound was detected in one of the soil samples at concentrations exceeding laboratory reporting limits. Samples were received by the laboratory at 1.4 degrees Celsius, and all samples were analyzed within the method-specific holding times.

As documented in the case narrative included in the analytical report, the following non-conformances were identified during analysis of these samples:

- Recoveries of one to two internal standards from six samples (841110624-16, -18, -20, -22, -24, and -31) during analysis of SVOC were less than quality control limits due to matrix interference, suggesting that SVOC results for these samples may be biased low.
- Recovery of a surrogate SVOC added to one sample (841110624-25) was below quality control limits due to matrix interference, suggesting low bias for the corresponding SVOC results.
- Recovery of one to two internal standards from two samples (841110624-28 and -31) during analysis of VOC were below quality control limits due to matrix interference, suggesting that VOC results for these samples may be biased low.
- Recovery of a surrogate compound added to one sample (841110624-31) during analysis of TPH was outside quality control limits due to matrix interference, suggesting high or low bias for the corresponding TPH result.



The concentrations of VOC reported for samples 841110624-28 and -31 were below the laboratory reporting limits with the exception of one compound, which was detected at a concentration over four orders of magnitude less than the applicable regulatory criteria. Further, the TPH concentration in sample 84111062-31 was over twice the applicable regulatory criteria, despite potential bias. Therefore, the VOC- and TPH-related non-conformances were not expected to affect the usability of the data.

The concentrations of some SVOC in three samples (841110624-16, -24, and -31) were less than a factor of two below the applicable regulatory criteria. One of these three samples (841110624-31) contained other SVOC at concentrations exceeding applicable regulatory criteria. These results may be biased low due to the laboratory non-conformance, affecting their usability. However, since it is known that other SVOC in one of the affected samples exceeded the regulatory criteria and because SVOC in shallow soil appears to be a site-wide issue attributable to fill material, the usability of the SVOC data was not significantly affected, as conclusions regarding the presence of SVOC in shallow soil were able to be made. The remaining samples with SVOC-related non-conformance (841110624-18, -20, -22, and -25) did not contain SVOC at concentrations exceeding laboratory reporting limits.

The concentrations of analyzed compounds in the primary and duplicate sample pair were below detection limits, with the exception of metals. The relative percent differences (RPDs) calculated using the metals data were less than the 50% maximum goal for analytical precision.

Analytical results for the soil samples were compared to the Method 1 Residential Exposure Criteria (R-DEC), Industrial/Commercial Direct Exposure Criteria (I/C-DEC), and GB Leachability Criteria (GB-LC) promulgated by the Rhode Island Department of Environmental Management. Detection limits were low enough to allow direct comparison to these criteria.

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 MODIFIED TIER I COMPLETENESS CHECKLIST**

| | <u>YES</u> | <u>NO</u> |
|---|-------------------------------------|-----------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | |
| Field measurement calibration records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Groundwater field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Soil sampling field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sediment sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Surface water sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Low-flow sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Documentation of field activities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample numbering and labeling | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicate samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| 2. LABORATORY MEASUREMENTS: | | |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Instrument blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Laboratory control samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicates samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Matrix spike/matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Surrogate recoveries | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> NA |

TOTAL: 15 0

PERCENT COMPLETE: 100 %



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST**

**PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS?**

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | | |
| Field measurement calibration records | | | |
| pH - ± 0.3 pH units | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| S.C. - ± 5% of calibration solution, within? calibration range | <input type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 0.5 °C | <input type="checkbox"/> | <input type="checkbox"/> | |
| D.O. - ± 5% of calibration solution | <input type="checkbox"/> | <input type="checkbox"/> | |
| Groundwater field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Soil sampling field measurements (if applicable) | | | |
| OVM - ± 2 ppm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| OVA - ± 2 ppm | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Sediment sampling field measurements (if applicable) | | | |
| Descriptive information recorded? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Surface water sampling field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Low-flow sampling field measurements (if applicable) | | | |
| S.C. - ± 10% | <input type="checkbox"/> | <input type="checkbox"/> | |
| pH - ± 0.2 pH units | <input type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 10% | <input type="checkbox"/> | <input type="checkbox"/> | |
| Turbidity - ±5 NTU | <input type="checkbox"/> | <input type="checkbox"/> | |
| Documentation of field activities | | | |
| Site-specific information documented in field notebook? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Field data sheets completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample numbering and labeling | | | |
| Sample numbering conforms to sample I.D. system identified in QAPP? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | | | |
| Chain-of-Custody forms completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST
 (Continued)**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?**

| | YES | NO | COMMENTS |
|---|-------------------------------------|--------------------------|--|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>carbon disulfide @ 1.8 µg/L (lab)</u> |
| Duplicate samples | | | |
| Field duplicates performed, 1/20 samples? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates performed on 10% of samples screened for explosives? | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Is percent difference within 30% for all field parameters? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Equipment blanks | | | |
| Equipment blanks submitted, one per sampling day? | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Any compounds detected in equipment blank? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Split samples (if any) | | | |
| Split samples collected? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Is percent difference within 30% for split samples? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |

2. LABORATORY MEASUREMENTS:

| | | | |
|--|-------------------------------------|-------------------------------------|--|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Carbon disulfide @ 1.8 µg/L</u> |
| Instrument blanks** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Laboratory control samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>5</u> |
| Equipment blanks** | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Matrix spike/matrix spike duplicates** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Surrogate recoveries** | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>one surrogate in two samples outside QC</u> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Split samples (if any)** | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Most recent EPA WP-PE sample results** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill, Inc.
317 Iron Horse Way
Suite 204
Providence, RI 02908
Attn: Pat Dowling

Report Number: E106H63

Revision 1

Project: 20091532.A20/ Color and Chem

Received Date: 06/27/2011

Report Date: 07/08/2011

Revision Date: 07/26/2011

Copies Sent To:

RI DEM
235 Promenade Street
Providence, RI 02908

Premier Laboratory, Inc
Authorized Signature



Certified and Compliant with:

CT (PH-0465), EPA (CT00008), MA (M-CT008), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300), UCMR2 (CT00008), VT (VT11549)



101-000000310868



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

RI DEM
235 Promenade Street
Providence, RI 02908
Cynthia Gianfrancesco

Report Number: E106H63

Revision 1

Project: 20091532.A20/ Color and Chem

Received Date: 06/27/2011

Report Date: 07/08/2011

Revision Date: 07/26/2011

Copies Sent To:

Fuss & O'Neill, Inc.
317 Iron Horse Way
Suite 204
Providence, RI 02908

Premier Laboratory, Inc
Authorized Signature



Certified and Compliant with:

CT (PH-0465), EPA (CT00008), MA (M-CT008), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300), UCMR2 (CT00008), VT (VT11549)



101-000000310868



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E106H63
Client: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Premier Laboratory, Inc received 19 samples from Fuss & O'Neill on 06/27/2011. The samples were analyzed for the following list of analyses:

| | |
|--|---|
| Mercury by 7471 in SW 7471[7471] | PCB's by 8082 in GW/SW 8082[3500] |
| Semivolatiles by 8270C for GW/SW 8270C[3500] | TPH by 8100M (Itemized) 8100[8100] |
| Trace Metals by 6010B 6010B[3000] | Volatiles by 8260B (GA/GW-1/S-1) 8260B |
| Volatiles by 8260B Methanol Preserved in SW 8260B[Methanol Preserved] | |

**Non-Conformances:
Work Order:**

None

Sample:

None

Analysis:

Sample 10A, 841110624-25, Semivolatiles by SW-846 8270C: One surrogate spike was outside quality control limits for the sample due to matrix interference.

Sample 13B, 841110624-28, Volatiles by 8260B (GA/GW-1/S-1): Two internal standard areas were below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standards were still below the limits.

Sample 16A, 841110624-31, Semivolatiles by SW-846 8270C: Two internal standard areas were below quality control limits for the sample due to matrix interference.

Sample 16A, 841110624-31, TPH by SW-846 8100 M (Itemized): One surrogate spike was elevated outside quality control limits for the sample due to matrix interference.

Sample 16B, 841110624-31, Volatiles by 8260B (GA/GW-1/S-1): One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Sample 1A, 841110624-16, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Sample 3A, 841110624-18, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E106H63
Client: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Non-Conformances: Analysis:

Sample 5A, 841110624-20, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Sample 7A, 841110624-22, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Sample 9A, 841110624-24, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(1) 841110624-16

Date Collected: 06/24/2011 07:50 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 2.7 | 0.27 | mg/kg | 07/06/2011 08:05 | NJB | |
| Barium | 41 | 0.54 | mg/kg | 07/06/2011 08:05 | NJB | |
| Cadmium | 0.36 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Chromium | 5.9 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Lead | 18 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 07/06/2011 08:05 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Zinc | 88 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Vanadium | 6.4 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 07/06/2011 08:05 | NJB | |
| Nickel | 5.2 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Manganese | 90 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Copper | 10 | 0.11 | mg/kg | 07/06/2011 08:05 | NJB | |
| Beryllium | 0.10 | 0.054 | mg/kg | 07/06/2011 08:05 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 08:05 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

(2) 841110624-17

Date Collected: 06/24/2011 08:00 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 2.0 | 0.31 | mg/kg | 07/06/2011 08:15 | NJB | |
| Barium | 25 | 0.61 | mg/kg | 07/06/2011 08:15 | NJB | |
| Cadmium | 0.32 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Chromium | 16 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Lead | 4.0 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Selenium | ND | 0.31 | mg/kg | 07/06/2011 08:15 | NJB | |
| Silver | ND | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Zinc | 110 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Vanadium | 5.0 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Thallium | ND | 0.31 | mg/kg | 07/06/2011 08:15 | NJB | |
| Nickel | 8.8 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Manganese | 41 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Copper | 2.8 | 0.12 | mg/kg | 07/06/2011 08:15 | NJB | |
| Beryllium | ND | 0.061 | mg/kg | 07/06/2011 08:15 | NJB | |
| Antimony | ND | 0.18 | mg/kg | 07/06/2011 08:15 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.024 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|---|--------|----------------------|-------|------------------|-----|----------|
| (3) 841110624-18 | | | | | | |
| Date Collected: 06/24/2011 09:15 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 3.2 | 0.27 | mg/kg | 07/06/2011 08:17 | NJB | |
| Barium | 46 | 0.54 | mg/kg | 07/06/2011 08:17 | NJB | |
| Cadmium | 0.31 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Chromium | 7.5 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Lead | 9.8 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 07/06/2011 08:17 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Zinc | 59 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Vanadium | 6.9 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 07/06/2011 08:17 | NJB | |
| Nickel | 6.9 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Manganese | 90 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Copper | 9.9 | 0.11 | mg/kg | 07/06/2011 08:17 | NJB | |
| Beryllium | 0.12 | 0.054 | mg/kg | 07/06/2011 08:17 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 08:17 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

| | | | | | | |
|---|------|----------------------|-------|------------------|-----|--|
| (4) 841110624-19 | | | | | | |
| Date Collected: 06/24/2011 09:40 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 1.5 | 0.34 | mg/kg | 07/06/2011 08:19 | NJB | |
| Barium | 35 | 0.69 | mg/kg | 07/06/2011 08:19 | NJB | |
| Cadmium | 0.39 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Chromium | 7.8 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Lead | 1.9 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Selenium | ND | 0.34 | mg/kg | 07/06/2011 08:19 | NJB | |
| Silver | ND | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Zinc | 50 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Vanadium | 8.7 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Thallium | ND | 0.34 | mg/kg | 07/06/2011 08:19 | NJB | |
| Nickel | 4.5 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Manganese | 100 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Copper | 5.6 | 0.14 | mg/kg | 07/06/2011 08:19 | NJB | |
| Beryllium | 0.24 | 0.069 | mg/kg | 07/06/2011 08:19 | NJB | |
| Antimony | ND | 0.21 | mg/kg | 07/06/2011 08:19 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.027 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(5) 841110624-20

Date Collected: 06/24/2011 10:00 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 2.3 | 0.28 | mg/kg | 07/06/2011 08:22 | NJB | |
| Barium | 26 | 0.56 | mg/kg | 07/06/2011 08:22 | NJB | |
| Cadmium | 0.55 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Chromium | 8.5 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Lead | 10 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Selenium | ND | 0.28 | mg/kg | 07/06/2011 08:22 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Zinc | 24 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Vanadium | 8.3 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Thallium | ND | 0.28 | mg/kg | 07/06/2011 08:22 | NJB | |
| Nickel | 7.6 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Manganese | 120 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Copper | 12 | 0.11 | mg/kg | 07/06/2011 08:22 | NJB | |
| Beryllium | 0.20 | 0.056 | mg/kg | 07/06/2011 08:22 | NJB | |
| Antimony | ND | 0.17 | mg/kg | 07/06/2011 08:22 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

(6) 841110624-21

Date Collected: 06/24/2011 10:20 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 1.2 | 0.31 | mg/kg | 07/06/2011 08:45 | NJB | |
| Barium | 22 | 0.62 | mg/kg | 07/06/2011 08:45 | NJB | |
| Cadmium | 0.30 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Chromium | 6.8 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Lead | 2.2 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Selenium | ND | 0.31 | mg/kg | 07/06/2011 08:45 | NJB | |
| Silver | ND | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Zinc | 75 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Vanadium | 6.1 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Thallium | ND | 0.31 | mg/kg | 07/06/2011 08:45 | NJB | |
| Nickel | 2.8 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Manganese | 77 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Copper | 4.3 | 0.12 | mg/kg | 07/06/2011 08:45 | NJB | |
| Beryllium | 0.13 | 0.062 | mg/kg | 07/06/2011 08:45 | NJB | |
| Antimony | ND | 0.19 | mg/kg | 07/06/2011 08:45 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|---|--------|----------------------|-------|------------------|-----|----------|
| (7) 841110624-22 | | | | | | |
| Date Collected: 06/24/2011 11:15 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 2.0 | 0.27 | mg/kg | 07/06/2011 08:47 | NJB | |
| Barium | 31 | 0.54 | mg/kg | 07/06/2011 08:47 | NJB | |
| Cadmium | 0.41 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Chromium | 11 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Lead | 9.3 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 07/06/2011 08:47 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Zinc | 41 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Vanadium | 9.5 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 07/06/2011 08:47 | NJB | |
| Nickel | 17 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Manganese | 100 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Copper | 13 | 0.11 | mg/kg | 07/06/2011 08:47 | NJB | |
| Beryllium | 0.20 | 0.054 | mg/kg | 07/06/2011 08:47 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 08:47 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

| | | | | | | |
|---|------|----------------------|-------|------------------|-----|--|
| (8) 841110624-23 | | | | | | |
| Date Collected: 06/24/2011 11:30 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 0.86 | 0.28 | mg/kg | 07/06/2011 08:50 | NJB | |
| Barium | 16 | 0.55 | mg/kg | 07/06/2011 08:50 | NJB | |
| Cadmium | 0.51 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Chromium | 7.8 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Lead | 9.5 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Selenium | ND | 0.28 | mg/kg | 07/06/2011 08:50 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Zinc | 57 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Vanadium | 2.9 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Thallium | ND | 0.28 | mg/kg | 07/06/2011 08:50 | NJB | |
| Nickel | 2.3 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Manganese | 35 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Copper | 15 | 0.11 | mg/kg | 07/06/2011 08:50 | NJB | |
| Beryllium | ND | 0.055 | mg/kg | 07/06/2011 08:50 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 08:50 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|---|--------|----------------------|-------|------------------|-----|----------|
| (9) 841110624-24 | | | | | | |
| Date Collected: 06/24/2011 12:00 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 2.5 | 0.28 | mg/kg | 07/06/2011 08:55 | NJB | |
| Barium | 22 | 0.56 | mg/kg | 07/06/2011 08:55 | NJB | |
| Cadmium | 2.3 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Chromium | 6.7 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Lead | 52 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Selenium | ND | 0.28 | mg/kg | 07/06/2011 08:55 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Zinc | 1800 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Vanadium | 9.2 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Thallium | ND | 0.28 | mg/kg | 07/06/2011 08:55 | NJB | |
| Nickel | 4.7 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Manganese | 120 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Copper | 9.2 | 0.11 | mg/kg | 07/06/2011 08:55 | NJB | |
| Beryllium | 0.22 | 0.056 | mg/kg | 07/06/2011 08:55 | NJB | |
| Antimony | ND | 0.17 | mg/kg | 07/06/2011 08:55 | NJB | |
| Mercury by SW-846 7471 in SW | 0.19 | 0.022 | mg/kg | 06/29/2011 12:02 | KL | |

| | | | | | | |
|---|------|----------------------|-------|------------------|-----|--|
| (10) 841110624-25 | | | | | | |
| Date Collected: 06/24/2011 12:30 | | Matrix: Solid | | | | |
| Trace Metals by 6010B | | | | | | |
| Arsenic | 1.7 | 0.31 | mg/kg | 07/06/2011 08:57 | NJB | |
| Barium | 28 | 0.63 | mg/kg | 07/06/2011 08:57 | NJB | |
| Cadmium | 0.37 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Chromium | 5.0 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Lead | 1.6 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Selenium | ND | 0.31 | mg/kg | 07/06/2011 08:57 | NJB | |
| Silver | ND | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Zinc | 39 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Vanadium | 8.2 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Thallium | ND | 0.31 | mg/kg | 07/06/2011 08:57 | NJB | |
| Nickel | 4.6 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Manganese | 300 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Copper | 5.5 | 0.12 | mg/kg | 07/06/2011 08:57 | NJB | |
| Beryllium | 0.22 | 0.063 | mg/kg | 07/06/2011 08:57 | NJB | |
| Antimony | ND | 0.19 | mg/kg | 07/06/2011 08:57 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 07/05/2011 12:35 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(11) 841110624-26

Date Collected: 06/24/2011 12:40 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 2.0 | 0.30 | mg/kg | 07/06/2011 09:00 | NJB | |
| Barium | 32 | 0.61 | mg/kg | 07/06/2011 09:00 | NJB | |
| Cadmium | 0.44 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Chromium | 5.6 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Lead | 1.8 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Selenium | ND | 0.30 | mg/kg | 07/06/2011 09:00 | NJB | |
| Silver | ND | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Zinc | 48 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Vanadium | 9.4 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Thallium | ND | 0.30 | mg/kg | 07/06/2011 09:00 | NJB | |
| Nickel | 4.9 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Manganese | 460 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Copper | 5.5 | 0.12 | mg/kg | 07/06/2011 09:00 | NJB | |
| Beryllium | 0.20 | 0.061 | mg/kg | 07/06/2011 09:00 | NJB | |
| Antimony | ND | 0.18 | mg/kg | 07/06/2011 09:00 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.024 | mg/kg | 07/05/2011 12:35 | KL | |

(12) 841110624-27

Date Collected: 06/24/2011 13:15 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|-------|-------|-------|------------------|-----|--|
| Arsenic | 2.0 | 0.26 | mg/kg | 07/06/2011 09:02 | NJB | |
| Barium | 16 | 0.53 | mg/kg | 07/06/2011 09:02 | NJB | |
| Cadmium | 0.20 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Chromium | 2.5 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Lead | 5.8 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Selenium | ND | 0.26 | mg/kg | 07/06/2011 09:02 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Zinc | 20 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Vanadium | 4.1 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Thallium | ND | 0.26 | mg/kg | 07/06/2011 09:02 | NJB | |
| Nickel | 2.2 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Manganese | 72 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Copper | 3.5 | 0.11 | mg/kg | 07/06/2011 09:02 | NJB | |
| Beryllium | 0.066 | 0.053 | mg/kg | 07/06/2011 09:02 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 09:02 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.021 | mg/kg | 07/05/2011 12:35 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(13) 841110624-28

Date Collected: 06/24/2011 13:20 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 1.8 | 0.33 | mg/kg | 07/06/2011 09:04 | NJB | |
| Barium | 57 | 0.67 | mg/kg | 07/06/2011 09:04 | NJB | |
| Cadmium | 0.55 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Chromium | 8.4 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Lead | 2.5 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Selenium | ND | 0.33 | mg/kg | 07/06/2011 09:04 | NJB | |
| Silver | ND | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Zinc | 28 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Vanadium | 13 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Thallium | ND | 0.33 | mg/kg | 07/06/2011 09:04 | NJB | |
| Nickel | 6.4 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Manganese | 230 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Copper | 5.9 | 0.13 | mg/kg | 07/06/2011 09:04 | NJB | |
| Beryllium | 0.28 | 0.067 | mg/kg | 07/06/2011 09:04 | NJB | |
| Antimony | ND | 0.20 | mg/kg | 07/06/2011 09:04 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.027 | mg/kg | 07/05/2011 12:35 | KL | |

(14) 841110624-29

Date Collected: 06/24/2011 13:50 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|-------|-------|-------|------------------|-----|--|
| Arsenic | 1.1 | 0.27 | mg/kg | 07/06/2011 09:07 | NJB | |
| Barium | 15 | 0.53 | mg/kg | 07/06/2011 09:07 | NJB | |
| Cadmium | 0.19 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Chromium | 2.6 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Lead | 2.7 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 07/06/2011 09:07 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Zinc | 19 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Vanadium | 4.3 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 07/06/2011 09:07 | NJB | |
| Nickel | 2.5 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Manganese | 79 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Copper | 3.8 | 0.11 | mg/kg | 07/06/2011 09:07 | NJB | |
| Beryllium | 0.061 | 0.053 | mg/kg | 07/06/2011 09:07 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 09:07 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.021 | mg/kg | 07/05/2011 12:35 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(15) 841110624-30

Date Collected: 06/24/2011 14:00 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 1.0 | 0.32 | mg/kg | 07/06/2011 09:09 | NJB | |
| Barium | 41 | 0.63 | mg/kg | 07/06/2011 09:09 | NJB | |
| Cadmium | 0.45 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Chromium | 6.5 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Lead | 2.4 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Selenium | ND | 0.32 | mg/kg | 07/06/2011 09:09 | NJB | |
| Silver | ND | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Zinc | 27 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Vanadium | 12 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Thallium | ND | 0.32 | mg/kg | 07/06/2011 09:09 | NJB | |
| Nickel | 6.1 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Manganese | 240 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Copper | 12 | 0.13 | mg/kg | 07/06/2011 09:09 | NJB | |
| Beryllium | 0.22 | 0.063 | mg/kg | 07/06/2011 09:09 | NJB | |
| Antimony | ND | 0.19 | mg/kg | 07/06/2011 09:09 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 07/05/2011 12:35 | KL | |

(16) 841110624-31

Date Collected: 06/24/2011 14:15 **Matrix: Solid**

Trace Metals by 6010B

| | | | | | | |
|------------------------------|-------|-------|-------|------------------|-----|--|
| Arsenic | 2.2 | 0.27 | mg/kg | 07/06/2011 09:26 | NJB | |
| Barium | 65 | 0.54 | mg/kg | 07/06/2011 09:26 | NJB | |
| Cadmium | 0.61 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Chromium | 18 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Lead | 48 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Selenium | ND | 0.27 | mg/kg | 07/06/2011 09:26 | NJB | |
| Silver | ND | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Zinc | 210 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Vanadium | 8.2 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Thallium | ND | 0.27 | mg/kg | 07/06/2011 09:26 | NJB | |
| Nickel | 5.0 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Manganese | 76 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Copper | 17 | 0.11 | mg/kg | 07/06/2011 09:26 | NJB | |
| Beryllium | 0.081 | 0.054 | mg/kg | 07/06/2011 09:26 | NJB | |
| Antimony | ND | 0.16 | mg/kg | 07/06/2011 09:26 | NJB | |
| Mercury by SW-846 7471 in SW | 0.033 | 0.022 | mg/kg | 07/05/2011 12:35 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Date Received: 06/27/2011 15:15

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(17) 841110624-32

Date Collected: 06/24/2011 14:30

Matrix: Solid

Trace Metals by 6010B

| | | | | | | |
|------------------------------|------|-------|-------|------------------|-----|--|
| Arsenic | 2.2 | 0.32 | mg/kg | 07/06/2011 09:28 | NJB | |
| Barium | 45 | 0.63 | mg/kg | 07/06/2011 09:28 | NJB | |
| Cadmium | 0.44 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Chromium | 4.9 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Lead | 3.0 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Selenium | ND | 0.32 | mg/kg | 07/06/2011 09:28 | NJB | |
| Silver | ND | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Zinc | 150 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Vanadium | 8.2 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Thallium | ND | 0.32 | mg/kg | 07/06/2011 09:28 | NJB | |
| Nickel | 14 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Manganese | 70 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Copper | 3.2 | 0.13 | mg/kg | 07/06/2011 09:28 | NJB | |
| Beryllium | 0.16 | 0.063 | mg/kg | 07/06/2011 09:28 | NJB | |
| Antimony | ND | 0.19 | mg/kg | 07/06/2011 09:28 | NJB | |
| Mercury by SW-846 7471 in SW | ND | 0.025 | mg/kg | 07/05/2011 12:35 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 1
 Sample Description: 841110624-16

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 07:50
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 19:59 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 7.0
 Sample Weight/Volume: 30.10
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32774.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 360 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 360 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 360 | ug/kg |
| 62-53-3 | Aniline | ND | 710 | ug/kg |
| 120-12-7 | Anthracene | ND | 360 | ug/kg |
| 92-52-4 | Biphenyl | ND | 360 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 360 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 360 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 470 | 360 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 360 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 360 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1800 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 710 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 360 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 360 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 360 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 710 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 360 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 360 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 360 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 710 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 360 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 360 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 360 | ug/kg |
| 218-01-9 | Chrysene | ND | 360 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 360 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 360 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 360 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 710 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 360 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 360 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 360 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 360 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 360 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 360 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 360 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 360 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 360 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 360 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 360 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 1
 Sample Description: 841110624-16

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 07:50
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 19:59 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 7.0
 Sample Weight/Volume: 30.10
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32774.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | 580 | 360 | ug/kg |
| 86-73-7 | Fluorene | ND | 360 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 360 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 360 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 360 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 360 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 360 | ug/kg |
| 78-59-1 | Isophorone | ND | 360 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 360 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 360 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 360 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 710 | ug/kg |
| 91-20-3 | Naphthalene | ND | 360 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 710 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 710 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 710 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 360 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 360 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 360 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 360 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 360 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 360 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 360 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 360 | ug/kg |
| 108-95-2 | Phenol | ND | 360 | ug/kg |
| 129-00-0 | Pyrene | 690 | 360 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 360 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 360 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 360 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 86% | 18%-118% |
| 2-Fluorobiphenyl | 49% | 24%-101% |
| 2-Fluorophenol | 43% | 10%-94% |
| 4-Terphenyl-d14 | 109% | 20%-133% |
| Nitrobenzene-d5 | 43% | 16%-98% |
| Phenol-d6 | 49% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 1
Sample Description: 841110624-16

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 07:50
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/05/2011 21:11 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 7.0
Sample Weight/Volume: 10.01
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070519.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 21 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 21 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 130 | 21 | mg/kg |
| | Total PHC | 130 | 21 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 1
 Sample Description: 841110624-16

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 07:50
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 18:44 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 7.0
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070523.D;8070609.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|------|-------|
| 12674-11-2 | Aroclor 1016 | ND | 1400 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 1400 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 1400 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 1400 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 1400 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 1400 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 1400 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 68% | 10%-103% | |
| Decachlorobiphenyl | 89% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 1
 Sample Description: 841110624-16

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 07:50
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 11:59 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 7.0
 Dilution Factor: 1
 Lab Data File: J45973.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 27 | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.2 | ug/kg |
| 71-43-2 | Benzene | ND | 5.2 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.2 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.2 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.2 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.2 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.2 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.2 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.2 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.2 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.2 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.2 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.2 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.2 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.2 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.2 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.2 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.2 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.2 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.2 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.2 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.2 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.2 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 1
 Sample Description: 841110624-16

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 07:50
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 11:59 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 7.0
 Dilution Factor: 1
 Lab Data File: J45973.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 21 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.2 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.2 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.2 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.2 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.2 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.2 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.2 | ug/kg |
| 100-42-5 | Styrene | ND | 5.2 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.2 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.2 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.2 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.2 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.2 | ug/kg |
| 108-88-3 | Toluene | ND | 5.2 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.2 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.2 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.2 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.2 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.2 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 101% | 80%-120% | |
| Bromofluorobenzene | 95% | 80%-120% | |
| Toluene-d8 | 106% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 2
 Sample Description: 841110624-17

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 08:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 13:36 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32737.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 200 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 200 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 200 | ug/kg |
| 62-53-3 | Aniline | ND | 410 | ug/kg |
| 120-12-7 | Anthracene | ND | 200 | ug/kg |
| 92-52-4 | Biphenyl | ND | 200 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 200 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 200 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 200 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 200 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 200 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 410 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 200 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 200 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 200 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 410 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 200 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 200 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 200 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 410 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 200 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 200 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 200 | ug/kg |
| 218-01-9 | Chrysene | ND | 200 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 200 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 200 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 200 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 410 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 200 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 200 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 200 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 200 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 200 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 200 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 200 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 200 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 200 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 200 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 200 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 2
 Sample Description: 841110624-17

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 08:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 13:36 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32737.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 200 | ug/kg |
| 86-73-7 | Fluorene | ND | 200 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 200 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 200 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 200 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 200 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 200 | ug/kg |
| 78-59-1 | Isophorone | ND | 200 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 200 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 200 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 200 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 410 | ug/kg |
| 91-20-3 | Naphthalene | ND | 200 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 410 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 410 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 410 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 200 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 200 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 200 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 200 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 200 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 200 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 200 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 200 | ug/kg |
| 108-95-2 | Phenol | ND | 200 | ug/kg |
| 129-00-0 | Pyrene | ND | 200 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 200 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 200 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 200 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 69% | 18%-118% |
| 2-Fluorobiphenyl | 39% | 24%-101% |
| 2-Fluorophenol | 40% | 10%-94% |
| 4-Terphenyl-d14 | 87% | 20%-133% |
| Nitrobenzene-d5 | 40% | 16%-98% |
| Phenol-d6 | 40% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 2
Sample Description: 841110624-17

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 08:00
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 06/30/2011 13:12 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 18
Sample Weight/Volume: 10.15
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6063008.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 12 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 12 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 12 | mg/kg |
| | Total PHC | ND | 12 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 2
 Sample Description: 841110624-17

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 08:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 18:25 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.02
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070522.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 41 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 41 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 41 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 41 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 41 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 41 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 41 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 81% | 10%-103% | |
| Decachlorobiphenyl | 93% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 2
 Sample Description: 841110624-17

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 08:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 18:09 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 18
 Dilution Factor: 1
 Lab Data File: J46012.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.2 | ug/kg |
| 71-43-2 | Benzene | ND | 5.2 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.2 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.2 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.2 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.2 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.2 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.2 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.2 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.2 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.2 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.2 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.2 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.2 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.2 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.2 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.2 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.2 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.2 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.2 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.2 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.2 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.2 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 2
 Sample Description: 841110624-17

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 08:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 18:09 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 18
 Dilution Factor: 1
 Lab Data File: J46012.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 21 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.2 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.2 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.2 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.2 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.2 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.2 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.2 | ug/kg |
| 100-42-5 | Styrene | ND | 5.2 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.2 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.2 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.2 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.2 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.2 | ug/kg |
| 108-88-3 | Toluene | ND | 5.2 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.2 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.2 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.2 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.2 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.2 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 110% | 80%-120% | |
| Bromofluorobenzene | 103% | 80%-120% | |
| Toluene-d8 | 97% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 3
 Sample Description: 841110624-18

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 23:18 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 8.3
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32781.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 180 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 180 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 180 | ug/kg |
| 62-53-3 | Aniline | ND | 360 | ug/kg |
| 120-12-7 | Anthracene | ND | 180 | ug/kg |
| 92-52-4 | Biphenyl | ND | 180 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 180 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 180 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 180 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 180 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 180 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 900 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 360 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 180 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 180 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 180 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 360 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 180 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 180 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 180 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 360 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 180 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 180 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 180 | ug/kg |
| 218-01-9 | Chrysene | ND | 180 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 180 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 180 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 180 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 360 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 180 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 180 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 180 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 180 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 180 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 180 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 180 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 180 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 180 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 3
 Sample Description: 841110624-18

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 23:18 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 8.3
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32781.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 180 | ug/kg |
| 86-73-7 | Fluorene | ND | 180 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 180 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 180 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 180 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 180 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 180 | ug/kg |
| 78-59-1 | Isophorone | ND | 180 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 180 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 180 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 180 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 360 | ug/kg |
| 91-20-3 | Naphthalene | ND | 180 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 360 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 360 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 360 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 180 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 180 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 180 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 180 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 180 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 180 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 180 | ug/kg |
| 108-95-2 | Phenol | ND | 180 | ug/kg |
| 129-00-0 | Pyrene | ND | 180 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 180 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 73% | 18%-118% | |
| 2-Fluorobiphenyl | 34% | 24%-101% | |
| 2-Fluorophenol | 30% | 10%-94% | |
| 4-Terphenyl-d14 | 81% | 20%-133% | |
| Nitrobenzene-d5 | 32% | 16%-98% | |
| Phenol-d6 | 31% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 3
Sample Description: 841110624-18

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:15
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/06/2011 20:39 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 8.3
Sample Weight/Volume: 10.02
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070622.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 22 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 22 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 38 | 22 | mg/kg |
| | Total PHC | 38 | 22 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 3
 Sample Description: 841110624-18

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 18:06 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 8.3
 Sample Weight/Volume: 30.01
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070521.D;8070608.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|------|-------|
| 12674-11-2 | Aroclor 1016 | ND | 1400 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 1400 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 1400 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 1400 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 1400 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 1400 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 1400 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 67% | 10%-103% | |
| Decachlorobiphenyl | 89% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 3
 Sample Description: 841110624-18

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 12:54 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 8.3
 Dilution Factor: 1
 Lab Data File: J45975.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 13 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 6.6 | ug/kg |
| 71-43-2 | Benzene | ND | 6.6 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 6.6 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 6.6 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 6.6 | ug/kg |
| 75-25-2 | Bromoform | ND | 6.6 | ug/kg |
| 74-83-9 | Bromomethane | ND | 6.6 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 6.6 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 6.6 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 6.6 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 6.6 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 6.6 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 6.6 | ug/kg |
| 75-00-3 | Chloroethane | ND | 6.6 | ug/kg |
| 67-66-3 | Chloroform | ND | 6.6 | ug/kg |
| 74-87-3 | Chloromethane | ND | 6.6 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 6.6 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 6.6 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.6 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 6.6 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 6.6 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 6.6 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.6 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.6 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.6 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.6 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.6 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 6.6 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.6 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.6 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.6 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.6 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 6.6 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 6.6 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 6.6 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.6 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.6 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 6.6 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 3
 Sample Description: 841110624-18

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 12:54 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 8.3
 Dilution Factor: 1
 Lab Data File: J45975.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 26 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 6.6 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 6.6 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 13 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 6.6 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 6.6 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 6.6 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 13 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 6.6 | ug/kg |
| 91-20-3 | Naphthalene | ND | 6.6 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 6.6 | ug/kg |
| 100-42-5 | Styrene | ND | 6.6 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 6.6 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 6.6 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 6.6 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 6.6 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 6.6 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.6 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 6.6 | ug/kg |
| 108-88-3 | Toluene | ND | 6.6 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.6 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.6 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.6 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.6 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 6.6 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 6.6 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 6.6 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 6.6 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 6.6 | ug/kg |
| 95-47-6 | o-Xylene | ND | 6.6 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 13 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 101% | 80%-120% | |
| Bromofluorobenzene | 96% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 4
 Sample Description: 841110624-19

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 14:05 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 27
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32738.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 230 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 230 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 230 | ug/kg |
| 62-53-3 | Aniline | ND | 460 | ug/kg |
| 120-12-7 | Anthracene | ND | 230 | ug/kg |
| 92-52-4 | Biphenyl | ND | 230 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 230 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 230 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 230 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 230 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 230 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1100 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 460 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 230 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 230 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 230 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 460 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 230 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 230 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 230 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 460 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 230 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 230 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 230 | ug/kg |
| 218-01-9 | Chrysene | ND | 230 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 230 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 230 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 230 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 460 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 230 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 230 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 230 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 230 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 230 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 230 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 230 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 230 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 230 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 230 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 230 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 4
 Sample Description: 841110624-19

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 14:05 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 27
 Sample Weight/Volume: 30.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32738.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 230 | ug/kg |
| 86-73-7 | Fluorene | ND | 230 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 230 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 230 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 230 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 230 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 230 | ug/kg |
| 78-59-1 | Isophorone | ND | 230 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 230 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 230 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 230 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 460 | ug/kg |
| 91-20-3 | Naphthalene | ND | 230 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 460 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 460 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 460 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 230 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 230 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 230 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 230 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 230 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 230 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 230 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 230 | ug/kg |
| 108-95-2 | Phenol | ND | 230 | ug/kg |
| 129-00-0 | Pyrene | ND | 230 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 230 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 230 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 230 | ug/kg |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 56% | 18%-118% |
| 2-Fluorobiphenyl | 38% | 24%-101% |
| 2-Fluorophenol | 33% | 10%-94% |
| 4-Terphenyl-d14 | 98% | 20%-133% |
| Nitrobenzene-d5 | 37% | 16%-98% |
| Phenol-d6 | 37% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 4
Sample Description: 841110624-19

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:40
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 06/30/2011 13:46 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 27
Sample Weight/Volume: 10.01
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6063009.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 14 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 14 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 14 | mg/kg |
| | Total PHC | ND | 14 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 4
 Sample Description: 841110624-19

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 17:46 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 27
 Sample Weight/Volume: 30.19
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070520.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 18 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 18 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 18 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 18 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 18 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 18 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 18 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 70% | 10%-103% | |
| Decachlorobiphenyl | 65% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 4
 Sample Description: 841110624-19

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:40
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 13:22 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 27
 Dilution Factor: 1
 Lab Data File: J45976.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 12 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 6.0 | ug/kg |
| 71-43-2 | Benzene | ND | 6.0 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 6.0 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 6.0 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 6.0 | ug/kg |
| 75-25-2 | Bromoform | ND | 6.0 | ug/kg |
| 74-83-9 | Bromomethane | ND | 6.0 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 6.0 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 6.0 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 6.0 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 6.0 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 6.0 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 6.0 | ug/kg |
| 75-00-3 | Chloroethane | ND | 6.0 | ug/kg |
| 67-66-3 | Chloroform | ND | 6.0 | ug/kg |
| 74-87-3 | Chloromethane | ND | 6.0 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 6.0 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 6.0 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.0 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 6.0 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 6.0 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 6.0 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.0 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.0 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.0 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.0 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.0 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 6.0 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.0 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.0 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.0 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.0 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 6.0 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 6.0 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 6.0 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.0 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.0 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 6.0 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 4
 Sample Description: 841110624-19

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 09:40
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 13:22 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 27
 Dilution Factor: 1
 Lab Data File: J45976.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 24 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 6.0 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 6.0 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 12 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 6.0 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 6.0 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 6.0 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 12 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 6.0 | ug/kg |
| 91-20-3 | Naphthalene | ND | 6.0 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 6.0 | ug/kg |
| 100-42-5 | Styrene | ND | 6.0 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 6.0 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 6.0 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 6.0 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 6.0 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 6.0 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.0 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 6.0 | ug/kg |
| 108-88-3 | Toluene | ND | 6.0 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.0 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.0 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.0 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.0 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 6.0 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 6.0 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 6.0 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 6.0 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 6.0 | ug/kg |
| 95-47-6 | o-Xylene | ND | 6.0 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 12 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 80%-120% | |
| Bromofluorobenzene | 96% | 80%-120% | |
| Toluene-d8 | 97% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 5
 Sample Description: 841110624-20

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 20:27 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 10
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32775.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 370 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 370 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 370 | ug/kg |
| 62-53-3 | Aniline | ND | 740 | ug/kg |
| 120-12-7 | Anthracene | ND | 370 | ug/kg |
| 92-52-4 | Biphenyl | ND | 370 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 370 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 370 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 370 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 370 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 370 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1800 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 740 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 370 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 370 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 370 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 740 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 370 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 370 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 370 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 740 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 370 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 370 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 370 | ug/kg |
| 218-01-9 | Chrysene | ND | 370 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 370 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 370 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 370 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 740 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 370 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 370 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 370 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 370 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 370 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 370 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 370 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 370 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 370 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 370 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 370 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 5
 Sample Description: 841110624-20

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 20:27 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 10
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32775.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 370 | ug/kg |
| 86-73-7 | Fluorene | ND | 370 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 370 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 370 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 370 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 370 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 370 | ug/kg |
| 78-59-1 | Isophorone | ND | 370 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 370 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 370 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 370 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 740 | ug/kg |
| 91-20-3 | Naphthalene | ND | 370 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 740 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 740 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 740 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 370 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 370 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 370 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 370 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 370 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 370 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 370 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 370 | ug/kg |
| 108-95-2 | Phenol | ND | 370 | ug/kg |
| 129-00-0 | Pyrene | ND | 370 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 370 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 370 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 370 | ug/kg |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 76% | 18%-118% |
| 2-Fluorobiphenyl | 48% | 24%-101% |
| 2-Fluorophenol | 41% | 10%-94% |
| 4-Terphenyl-d14 | 94% | 20%-133% |
| Nitrobenzene-d5 | 43% | 16%-98% |
| Phenol-d6 | 47% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 5
Sample Description: 841110624-20

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:00
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/06/2011 21:46 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 10
Sample Weight/Volume: 10.12
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070624.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 22 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 22 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 94 | 22 | mg/kg |
| | Total PHC | 94 | 22 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 5
 Sample Description: 841110624-20

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 17:27 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 10
 Sample Weight/Volume: 30.18
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070519.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 15 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 15 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 15 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 15 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 15 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 15 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 15 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 65% | 10%-103% | |
| Decachlorobiphenyl | 72% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 5
 Sample Description: 841110624-20

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 13:49 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 10
 Dilution Factor: 1
 Lab Data File: J45977.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 13 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 6.7 | ug/kg |
| 71-43-2 | Benzene | ND | 6.7 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 6.7 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 6.7 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 6.7 | ug/kg |
| 75-25-2 | Bromoform | ND | 6.7 | ug/kg |
| 74-83-9 | Bromomethane | ND | 6.7 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 13 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 6.7 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 6.7 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 6.7 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 6.7 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 6.7 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 6.7 | ug/kg |
| 75-00-3 | Chloroethane | ND | 6.7 | ug/kg |
| 67-66-3 | Chloroform | ND | 6.7 | ug/kg |
| 74-87-3 | Chloromethane | ND | 6.7 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 6.7 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 6.7 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.7 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 6.7 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 6.7 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 6.7 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.7 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.7 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.7 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.7 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.7 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 6.7 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.7 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.7 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.7 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.7 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 6.7 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 6.7 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 6.7 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.7 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.7 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 6.7 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 5
 Sample Description: 841110624-20

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 13:49 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 10
 Dilution Factor: 1
 Lab Data File: J45977.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 27 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 6.7 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 6.7 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 13 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 6.7 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 6.7 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 6.7 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 13 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 6.7 | ug/kg |
| 91-20-3 | Naphthalene | ND | 6.7 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 6.7 | ug/kg |
| 100-42-5 | Styrene | ND | 6.7 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 6.7 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 6.7 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 6.7 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 6.7 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 6.7 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.7 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 6.7 | ug/kg |
| 108-88-3 | Toluene | ND | 6.7 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.7 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.7 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.7 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.7 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 6.7 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 6.7 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 6.7 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 6.7 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 6.7 | ug/kg |
| 95-47-6 | o-Xylene | ND | 6.7 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 13 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Bromofluorobenzene | 97% | 80%-120% | |
| Toluene-d8 | 104% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 6
 Sample Description: 841110624-21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:20
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 20:56 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 20
 Sample Weight/Volume: 30.30
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32776.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 410 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 410 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 410 | ug/kg |
| 62-53-3 | Aniline | ND | 820 | ug/kg |
| 120-12-7 | Anthracene | ND | 410 | ug/kg |
| 92-52-4 | Biphenyl | ND | 410 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 410 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 82 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 410 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 410 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 410 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 2100 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 820 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 410 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 410 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 410 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 820 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 410 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 410 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 410 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 820 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 410 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 410 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 410 | ug/kg |
| 218-01-9 | Chrysene | ND | 82 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 82 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 410 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 410 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 820 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 410 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 410 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 410 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 410 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 410 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 410 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 410 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 410 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 410 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 410 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 410 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 6
 Sample Description: 841110624-21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:20
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 20:56 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 20
 Sample Weight/Volume: 30.30
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32776.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 410 | ug/kg |
| 86-73-7 | Fluorene | ND | 410 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 82 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 410 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 410 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 410 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 410 | ug/kg |
| 78-59-1 | Isophorone | ND | 410 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 410 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 410 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 410 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 820 | ug/kg |
| 91-20-3 | Naphthalene | ND | 410 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 820 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 820 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 820 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 410 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 410 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 410 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 410 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 410 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 410 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 410 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 410 | ug/kg |
| 108-95-2 | Phenol | ND | 410 | ug/kg |
| 129-00-0 | Pyrene | ND | 410 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 410 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 410 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 410 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 51% | 18%-118% |
| 2-Fluorobiphenyl | 41% | 24%-101% |
| 2-Fluorophenol | 34% | 10%-94% |
| 4-Terphenyl-d14 | 86% | 20%-133% |
| Nitrobenzene-d5 | 41% | 16%-98% |
| Phenol-d6 | 39% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 6
Sample Description: 841110624-21

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:20
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/06/2011 19:33 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 20
Sample Weight/Volume: 10.00
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070620.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 25 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 25 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 25 | mg/kg |
| | Total PHC | ND | 25 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 6
 Sample Description: 841110624-21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:20
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/06/2011 10:46 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 20
 Sample Weight/Volume: 30.16
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070607.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 16 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 16 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 16 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 16 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 16 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 16 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 16 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 81% | 10%-103% | |
| Decachlorobiphenyl | 94% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 6
 Sample Description: 841110624-21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:20
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 14:17 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 20
 Dilution Factor: 1
 Lab Data File: J45978.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/kg |
| 71-43-2 | Benzene | ND | 5.0 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.0 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.0 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.0 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.0 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.0 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.0 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.0 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.0 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.0 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.0 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.0 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.0 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.0 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.0 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.0 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.0 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.0 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.0 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 6
 Sample Description: 841110624-21

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 10:20
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 14:17 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 20
 Dilution Factor: 1
 Lab Data File: J45978.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.0 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.0 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | ug/kg |
| 100-42-5 | Styrene | ND | 5.0 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.0 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.0 | ug/kg |
| 108-88-3 | Toluene | ND | 5.0 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.0 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.0 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.0 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.0 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 103% | 80%-120% | |
| Bromofluorobenzene | 93% | 80%-120% | |
| Toluene-d8 | 97% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 7
 Sample Description: 841110624-22

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 21:24 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 7.5
 Sample Weight/Volume: 30.20
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32777.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 360 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 360 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 360 | ug/kg |
| 62-53-3 | Aniline | ND | 720 | ug/kg |
| 120-12-7 | Anthracene | ND | 360 | ug/kg |
| 92-52-4 | Biphenyl | ND | 360 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 360 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 360 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 360 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 360 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 360 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1800 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 720 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 360 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 360 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 360 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 720 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 360 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 360 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 360 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 720 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 360 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 360 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 360 | ug/kg |
| 218-01-9 | Chrysene | ND | 360 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 360 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 360 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 360 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 720 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 360 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 360 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 360 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 360 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 360 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 360 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 360 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 360 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 360 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 360 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 360 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 7
 Sample Description: 841110624-22

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 21:24 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 7.5
 Sample Weight/Volume: 30.20
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32777.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 360 | ug/kg |
| 86-73-7 | Fluorene | ND | 360 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 360 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 360 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 360 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 360 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 360 | ug/kg |
| 78-59-1 | Isophorone | ND | 360 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 360 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 360 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 360 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 720 | ug/kg |
| 91-20-3 | Naphthalene | ND | 360 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 720 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 720 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 720 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 360 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 360 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 360 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 360 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 360 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 360 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 360 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 360 | ug/kg |
| 108-95-2 | Phenol | ND | 360 | ug/kg |
| 129-00-0 | Pyrene | ND | 360 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 360 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 360 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 360 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 71% | 18%-118% | |
| 2-Fluorobiphenyl | 34% | 24%-101% | |
| 2-Fluorophenol | 28% | 10%-94% | |
| 4-Terphenyl-d14 | 88% | 20%-133% | |
| Nitrobenzene-d5 | 28% | 16%-98% | |
| Phenol-d6 | 32% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 7
Sample Description: 841110624-22

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:15
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/06/2011 22:19 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 7.5
Sample Weight/Volume: 10.00
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070625.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 22 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 22 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 80 | 22 | mg/kg |
| | Total PHC | 80 | 22 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 7
 Sample Description: 841110624-22

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 16:49 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 7.5
 Sample Weight/Volume: 30.09
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070517.D;8070606.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|------|-------|
| 12674-11-2 | Aroclor 1016 | ND | 3600 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 3600 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 3600 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 3600 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 3600 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 3600 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 3600 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 65% | 10%-103% | |
| Decachlorobiphenyl | 68% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 7
 Sample Description: 841110624-22

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 14:44 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 7.5
 Dilution Factor: 1
 Lab Data File: J45979.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.5 | ug/kg |
| 71-43-2 | Benzene | ND | 5.5 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.5 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.5 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.5 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.5 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.5 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.5 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.5 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.5 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.5 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.5 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.5 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.5 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.5 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.5 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.5 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.5 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.5 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.5 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.5 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.5 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.5 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.5 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.5 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.5 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.5 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.5 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.5 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.5 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.5 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.5 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.5 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 7
 Sample Description: 841110624-22

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 14:44 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 7.5
 Dilution Factor: 1
 Lab Data File: J45979.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.5 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.5 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.5 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.5 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.5 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.5 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.5 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.5 | ug/kg |
| 100-42-5 | Styrene | ND | 5.5 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.5 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.5 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.5 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.5 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.5 | ug/kg |
| 108-88-3 | Toluene | ND | 5.5 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.5 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.5 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.5 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.5 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.5 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.5 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.5 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.5 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.5 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.5 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 108% | 80%-120% | |
| Bromofluorobenzene | 94% | 80%-120% | |
| Toluene-d8 | 104% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 8
 Sample Description: 841110624-23

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 21:53 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 9.3
 Sample Weight/Volume: 30.20
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32778.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 360 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 360 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 360 | ug/kg |
| 62-53-3 | Aniline | ND | 730 | ug/kg |
| 120-12-7 | Anthracene | ND | 360 | ug/kg |
| 92-52-4 | Biphenyl | ND | 360 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 360 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 360 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 360 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 360 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 360 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1800 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 730 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 360 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 360 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 360 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 730 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 360 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 360 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 360 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 730 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 360 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 360 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 360 | ug/kg |
| 218-01-9 | Chrysene | ND | 360 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 360 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 360 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 360 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 730 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 360 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 360 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 360 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 360 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 360 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 360 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 360 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 360 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 360 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 360 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 360 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 8
 Sample Description: 841110624-23

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 21:53 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 9.3
 Sample Weight/Volume: 30.20
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32778.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 360 | ug/kg |
| 86-73-7 | Fluorene | ND | 360 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 360 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 360 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 360 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 360 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 360 | ug/kg |
| 78-59-1 | Isophorone | ND | 360 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 360 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 360 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 360 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 730 | ug/kg |
| 91-20-3 | Naphthalene | ND | 360 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 730 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 730 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 730 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 360 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 360 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 360 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 360 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 360 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 360 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 360 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 360 | ug/kg |
| 108-95-2 | Phenol | ND | 360 | ug/kg |
| 129-00-0 | Pyrene | ND | 360 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 360 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 360 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 360 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 55% | 18%-118% |
| 2-Fluorobiphenyl | 39% | 24%-101% |
| 2-Fluorophenol | 40% | 10%-94% |
| 4-Terphenyl-d14 | 83% | 20%-133% |
| Nitrobenzene-d5 | 39% | 16%-98% |
| Phenol-d6 | 40% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 8
Sample Description: 841110624-23

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:30
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/06/2011 20:06 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 9.3
Sample Weight/Volume: 10.20
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070621.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 22 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 22 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 180 | 22 | mg/kg |
| | Total PHC | 180 | 22 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 8
 Sample Description: 841110624-23

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/06/2011 09:41 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 9.3
 Sample Weight/Volume: 30.20
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070605.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 36 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 36 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 36 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 36 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 36 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 36 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 36 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 67% | 10%-103% | |
| Decachlorobiphenyl | 85% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 8
 Sample Description: 841110624-23

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 13:50 By: AMH
 Date Analyzed: 07/02/2011 02:52 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 9.3
 Sample Weight/Volume: 7.01
 Dilution Factor: 50
 Extract Volume: 17.01
 Lab Data File: Q20772.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 670 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 67 | ug/kg |
| 71-43-2 | Benzene | ND | 67 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 67 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 67 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 67 | ug/kg |
| 75-25-2 | Bromoform | ND | 67 | ug/kg |
| 74-83-9 | Bromomethane | ND | 270 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 670 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 67 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 67 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 67 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 67 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 67 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 67 | ug/kg |
| 75-00-3 | Chloroethane | ND | 67 | ug/kg |
| 67-66-3 | Chloroform | ND | 67 | ug/kg |
| 74-87-3 | Chloromethane | ND | 67 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 67 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 67 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 67 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 67 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 67 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 67 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 67 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 67 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 67 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 67 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 67 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 67 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 67 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 67 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 67 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 67 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 67 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 67 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 67 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 67 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 67 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 67 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 8
 Sample Description: 841110624-23

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 11:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 13:50 By: AMH
 Date Analyzed: 07/02/2011 02:52 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 9.3
 Sample Weight/Volume: 7.01
 Dilution Factor: 50
 Extract Volume: 17.01
 Lab Data File: Q20772.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 6700 | ug/kg |
| 100-41-4 | Ethylbenzene | 300 | 67 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 67 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 670 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 67 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 67 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 67 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 670 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 130 | ug/kg |
| 91-20-3 | Naphthalene | ND | 67 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 67 | ug/kg |
| 100-42-5 | Styrene | ND | 67 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 67 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 67 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 67 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 67 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 67 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 67 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 67 | ug/kg |
| 108-88-3 | Toluene | ND | 67 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 67 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 67 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 67 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 67 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 67 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 67 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 67 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 67 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 67 | ug/kg |
| 95-47-6 | o-Xylene | 310 | 67 | ug/kg |
| 108-38-3 | m,p-Xylenes | 950 | 130 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 97% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 109% | 88%-111% | |
| Toluene-d8 | 104% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 9
 Sample Description: 841110624-24

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 22:21 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 11
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32779.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 370 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 370 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 370 | ug/kg |
| 62-53-3 | Aniline | ND | 750 | ug/kg |
| 120-12-7 | Anthracene | ND | 370 | ug/kg |
| 92-52-4 | Biphenyl | ND | 370 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 370 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 370 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 470 | 370 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 370 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 370 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1900 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 750 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 370 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 370 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 370 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 750 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 370 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 370 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 370 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 750 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 370 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 370 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 370 | ug/kg |
| 218-01-9 | Chrysene | ND | 370 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 370 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 370 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 370 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 750 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 370 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 370 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 370 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 370 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 370 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 370 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 370 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 370 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 370 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 370 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 370 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 9
 Sample Description: 841110624-24

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 22:21 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 11
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32779.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | 630 | 370 | ug/kg |
| 86-73-7 | Fluorene | ND | 370 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 370 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 370 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 370 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 370 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 370 | ug/kg |
| 78-59-1 | Isophorone | ND | 370 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 370 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 370 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 370 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 750 | ug/kg |
| 91-20-3 | Naphthalene | ND | 370 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 750 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 750 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 750 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 370 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 370 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 370 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 370 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 370 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 370 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 370 | ug/kg |
| 85-01-8 | Phenanthrene | 450 | 370 | ug/kg |
| 108-95-2 | Phenol | ND | 370 | ug/kg |
| 129-00-0 | Pyrene | 630 | 370 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 370 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 370 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 370 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 75% | 18%-118% | |
| 2-Fluorobiphenyl | 40% | 24%-101% | |
| 2-Fluorophenol | 31% | 10%-94% | |
| 4-Terphenyl-d14 | 81% | 20%-133% | |
| Nitrobenzene-d5 | 31% | 16%-98% | |
| Phenol-d6 | 36% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 9
Sample Description: 841110624-24

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:00
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/05/2011 17:52 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 11
Sample Weight/Volume: 10.10
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070513.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 22 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 22 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 120 | 22 | mg/kg |
| | Total PHC | 120 | 22 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 9
 Sample Description: 841110624-24

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 16:11 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 11
 Sample Weight/Volume: 30.01
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070515.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|-----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 370 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 370 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 370 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 370 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 370 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 370 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 370 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 66% | 10%-103% | |
| Decachlorobiphenyl | 80% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 9
 Sample Description: 841110624-24

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 15:39 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 11
 Dilution Factor: 1
 Lab Data File: J45981.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 9.5 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 4.7 | ug/kg |
| 71-43-2 | Benzene | ND | 4.7 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 4.7 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 4.7 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 4.7 | ug/kg |
| 75-25-2 | Bromoform | ND | 4.7 | ug/kg |
| 74-83-9 | Bromomethane | ND | 4.7 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 9.5 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 4.7 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 4.7 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 4.7 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 4.7 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 4.7 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 4.7 | ug/kg |
| 75-00-3 | Chloroethane | ND | 4.7 | ug/kg |
| 67-66-3 | Chloroform | ND | 4.7 | ug/kg |
| 74-87-3 | Chloromethane | ND | 4.7 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 4.7 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 4.7 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 4.7 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 4.7 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 4.7 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 4.7 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 4.7 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 4.7 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 4.7 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 4.7 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 4.7 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 4.7 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 4.7 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 4.7 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 4.7 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 4.7 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 4.7 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 4.7 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 4.7 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 4.7 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 4.7 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 4.7 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 9
 Sample Description: 841110624-24

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/29/2011 15:39 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 11
 Dilution Factor: 1
 Lab Data File: J45981.D
 QC Batch#: 86030

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 19 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 4.7 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 4.7 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 9.5 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 4.7 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 4.7 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 4.7 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 9.5 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 4.7 | ug/kg |
| 91-20-3 | Naphthalene | ND | 4.7 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 4.7 | ug/kg |
| 100-42-5 | Styrene | ND | 4.7 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 4.7 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 4.7 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 4.7 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 4.7 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 4.7 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 4.7 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 4.7 | ug/kg |
| 108-88-3 | Toluene | ND | 4.7 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 4.7 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 4.7 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 4.7 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 4.7 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | 50 | 4.7 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 4.7 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 4.7 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 4.7 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 4.7 | ug/kg |
| 95-47-6 | o-Xylene | ND | 4.7 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 9.5 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 94% | 82%-120% | |
| Bromofluorobenzene | 84% | 80%-120% | |
| Toluene-d8 | 105% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 10
 Sample Description: 841110624-25

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 14:33 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32739.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 210 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 210 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 210 | ug/kg |
| 62-53-3 | Aniline | ND | 420 | ug/kg |
| 120-12-7 | Anthracene | ND | 210 | ug/kg |
| 92-52-4 | Biphenyl | ND | 210 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 210 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 210 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 210 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 210 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 210 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 420 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 210 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 210 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 210 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 420 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 210 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 210 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 210 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 420 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 210 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 210 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 210 | ug/kg |
| 218-01-9 | Chrysene | ND | 210 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 210 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 210 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 210 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 420 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 210 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 210 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 210 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 210 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 210 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 210 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 210 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 210 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 210 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 210 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 210 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 10
 Sample Description: 841110624-25

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 14:33 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32739.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 210 | ug/kg |
| 86-73-7 | Fluorene | ND | 210 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 210 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 210 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 210 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 210 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 210 | ug/kg |
| 78-59-1 | Isophorone | ND | 210 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 210 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 210 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 210 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 420 | ug/kg |
| 91-20-3 | Naphthalene | ND | 210 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 420 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 420 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 420 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 210 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 210 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 210 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 210 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 210 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 210 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 210 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 210 | ug/kg |
| 108-95-2 | Phenol | ND | 210 | ug/kg |
| 129-00-0 | Pyrene | ND | 210 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 210 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 210 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 210 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 24% | 18%-118% | |
| 2-Fluorobiphenyl | 20% | 24%-101% | |
| 2-Fluorophenol | 19% | 10%-94% | |
| 4-Terphenyl-d14 | 70% | 20%-133% | |
| Nitrobenzene-d5 | 22% | 16%-98% | |
| Phenol-d6 | 21% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 10
Sample Description: 841110624-25

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:30
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/05/2011 18:25 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 10.30
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070514.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 24 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 24 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 24 | mg/kg |
| | Total PHC | ND | 24 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 10
 Sample Description: 841110624-25

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 15:52 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.20
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070514.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 17 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 17 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 17 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 17 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 17 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 17 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 17 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 77% | 10%-103% | |
| Decachlorobiphenyl | 91% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 10
 Sample Description: 841110624-25

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 06:34 By: GMP
 Date Analyzed: 07/02/2011 02:06 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 12.49
 Dilution Factor: 50
 Extract Volume: 12.57294
 Lab Data File: Q20770.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 320 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 32 | ug/kg |
| 71-43-2 | Benzene | ND | 32 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 32 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 32 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 32 | ug/kg |
| 75-25-2 | Bromoform | ND | 32 | ug/kg |
| 74-83-9 | Bromomethane | ND | 130 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 320 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 32 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 32 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 32 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 32 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 32 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 32 | ug/kg |
| 75-00-3 | Chloroethane | ND | 32 | ug/kg |
| 67-66-3 | Chloroform | ND | 32 | ug/kg |
| 74-87-3 | Chloromethane | ND | 32 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 32 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 32 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 32 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 32 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 32 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 32 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 32 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 32 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 32 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 32 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 32 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 32 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 32 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 32 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 32 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 32 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 32 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 32 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 32 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 32 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 32 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 32 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 10
 Sample Description: 841110624-25

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 06:34 By: GMP
 Date Analyzed: 07/02/2011 02:06 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 12.49
 Dilution Factor: 50
 Extract Volume: 12.57294
 Lab Data File: Q20770.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3200 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 32 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 32 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 320 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 32 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 32 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 32 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 320 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 63 | ug/kg |
| 91-20-3 | Naphthalene | ND | 32 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 32 | ug/kg |
| 100-42-5 | Styrene | ND | 32 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 32 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 32 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 32 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 32 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 32 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 32 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 32 | ug/kg |
| 108-88-3 | Toluene | ND | 32 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 32 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 32 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 32 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 32 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 32 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 32 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 32 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 32 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 32 | ug/kg |
| 95-47-6 | o-Xylene | ND | 32 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 63 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 98% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 108% | 88%-111% | |
| Toluene-d8 | 106% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 11
 Sample Description: 841110624-26

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 15:02 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32740.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 200 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 200 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 200 | ug/kg |
| 62-53-3 | Aniline | ND | 400 | ug/kg |
| 120-12-7 | Anthracene | ND | 200 | ug/kg |
| 92-52-4 | Biphenyl | ND | 200 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 200 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 200 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 200 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 200 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 200 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 400 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 200 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 200 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 200 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 400 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 200 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 200 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 200 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 400 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 200 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 200 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 200 | ug/kg |
| 218-01-9 | Chrysene | ND | 200 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 200 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 200 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 200 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 400 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 200 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 200 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 200 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 200 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 200 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 200 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 200 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 200 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 200 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 200 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 200 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 11
 Sample Description: 841110624-26

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 06/30/2011 15:02 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32740.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 200 | ug/kg |
| 86-73-7 | Fluorene | ND | 200 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 200 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 200 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 200 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 200 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 200 | ug/kg |
| 78-59-1 | Isophorone | ND | 200 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 200 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 200 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 200 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 400 | ug/kg |
| 91-20-3 | Naphthalene | ND | 200 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 400 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 400 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 400 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 200 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 200 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 200 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 200 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 200 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 200 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 200 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 200 | ug/kg |
| 108-95-2 | Phenol | ND | 200 | ug/kg |
| 129-00-0 | Pyrene | ND | 200 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 200 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 200 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 200 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 54% | 18%-118% | |
| 2-Fluorobiphenyl | 28% | 24%-101% | |
| 2-Fluorophenol | 33% | 10%-94% | |
| 4-Terphenyl-d14 | 72% | 20%-133% | |
| Nitrobenzene-d5 | 30% | 16%-98% | |
| Phenol-d6 | 34% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 11
Sample Description: 841110624-26

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:40
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/05/2011 18:58 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 18
Sample Weight/Volume: 10.10
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070515.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 24 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 24 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 24 | mg/kg |
| | Total PHC | ND | 24 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 11
 Sample Description: 841110624-26

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 15:32 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 30.01
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070513.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 16 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 16 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 16 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 16 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 16 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 16 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 16 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 70% | 10%-103% | |
| Decachlorobiphenyl | 81% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 11
 Sample Description: 841110624-26

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 06:34 By: GMP
 Date Analyzed: 07/02/2011 02:29 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 11.16
 Dilution Factor: 50
 Extract Volume: 11.98648
 Lab Data File: Q20771.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 330 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 33 | ug/kg |
| 71-43-2 | Benzene | ND | 33 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 33 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 33 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 33 | ug/kg |
| 75-25-2 | Bromoform | ND | 33 | ug/kg |
| 74-83-9 | Bromomethane | ND | 130 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 330 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 33 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 33 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 33 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 33 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 33 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 33 | ug/kg |
| 75-00-3 | Chloroethane | ND | 33 | ug/kg |
| 67-66-3 | Chloroform | ND | 33 | ug/kg |
| 74-87-3 | Chloromethane | ND | 33 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 33 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 33 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 33 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 33 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 33 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 33 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 33 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 33 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 33 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 33 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 33 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 33 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 33 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 33 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 33 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 33 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 33 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 33 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 33 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 33 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 33 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 33 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 11
 Sample Description: 841110624-26

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 12:40
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 06:34 By: GMP
 Date Analyzed: 07/02/2011 02:29 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 18
 Sample Weight/Volume: 11.16
 Dilution Factor: 50
 Extract Volume: 11.98648
 Lab Data File: Q20771.D
 QC Batch#: 86141

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3300 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 33 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 33 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 330 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 33 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 33 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 33 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 330 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 65 | ug/kg |
| 91-20-3 | Naphthalene | ND | 33 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 33 | ug/kg |
| 100-42-5 | Styrene | ND | 33 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 33 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 33 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 33 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 33 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 33 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 33 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 33 | ug/kg |
| 108-88-3 | Toluene | ND | 33 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 33 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 33 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 33 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 33 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 33 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 33 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 33 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 33 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 33 | ug/kg |
| 95-47-6 | o-Xylene | ND | 33 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 65 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 97% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 108% | 88%-111% | |
| Toluene-d8 | 104% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 12
 Sample Description: 841110624-27

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 22:50 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 5.9
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32780.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 350 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 350 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 350 | ug/kg |
| 62-53-3 | Aniline | ND | 710 | ug/kg |
| 120-12-7 | Anthracene | ND | 350 | ug/kg |
| 92-52-4 | Biphenyl | ND | 350 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 350 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 350 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 350 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 350 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 350 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1800 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 710 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 350 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 350 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 350 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 710 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 350 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 350 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 350 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 710 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 350 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 350 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 350 | ug/kg |
| 218-01-9 | Chrysene | ND | 350 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 350 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 350 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 350 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 710 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 350 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 350 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 350 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 350 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 350 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 350 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 350 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 350 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 350 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 350 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 350 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 12
 Sample Description: 841110624-27

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/28/2011 10:30 By: AJM
 Date Analyzed: 07/01/2011 22:50 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 5.9
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 1
 Lab Data File: L32780.D
 QC Batch#: 86071

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 350 | ug/kg |
| 86-73-7 | Fluorene | ND | 350 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 350 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 350 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 350 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 350 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 350 | ug/kg |
| 78-59-1 | Isophorone | ND | 350 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 350 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 350 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 350 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 710 | ug/kg |
| 91-20-3 | Naphthalene | ND | 350 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 710 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 710 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 710 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 350 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 350 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 350 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 350 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 350 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 350 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 350 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 350 | ug/kg |
| 108-95-2 | Phenol | ND | 350 | ug/kg |
| 129-00-0 | Pyrene | ND | 350 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 350 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 350 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 350 | ug/kg |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 83% | 18%-118% |
| 2-Fluorobiphenyl | 47% | 24%-101% |
| 2-Fluorophenol | 40% | 10%-94% |
| 4-Terphenyl-d14 | 91% | 20%-133% |
| Nitrobenzene-d5 | 40% | 16%-98% |
| Phenol-d6 | 44% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 12
Sample Description: 841110624-27

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:15
Date Received: 06/27/2011 15:15
Date Extracted: 06/29/2011 12:00 By: DPR
Date Analyzed: 07/06/2011 21:13 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 5.9
Sample Weight/Volume: 10.10
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070623.D
QC Batch#: 86088

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 21 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 21 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 24 | 21 | mg/kg |
| | Total PHC | 24 | 21 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 12
 Sample Description: 841110624-27

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 15:13 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 5.9
 Sample Weight/Volume: 30.06
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070512.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 71 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 71 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 71 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 71 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 71 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 71 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 71 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 83% | 10%-103% | |
| Decachlorobiphenyl | 91% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 12
 Sample Description: 841110624-27

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 16:47 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 5.9
 Dilution Factor: 1
 Lab Data File: J46009.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.4 | ug/kg |
| 71-43-2 | Benzene | ND | 5.4 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.4 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.4 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.4 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.4 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.4 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.4 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.4 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.4 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.4 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.4 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.4 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.4 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.4 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.4 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.4 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.4 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.4 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.4 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.4 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.4 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.4 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.4 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.4 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.4 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.4 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.4 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.4 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.4 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.4 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.4 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.4 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.4 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.4 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.4 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.4 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.4 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 12
 Sample Description: 841110624-27

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 16:47 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 5.9
 Dilution Factor: 1
 Lab Data File: J46009.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 21 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.4 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.4 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.4 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.4 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.4 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.4 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.4 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.4 | ug/kg |
| 100-42-5 | Styrene | ND | 5.4 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.4 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.4 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.4 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.4 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.4 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.4 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.4 | ug/kg |
| 108-88-3 | Toluene | ND | 5.4 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.4 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.4 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.4 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.4 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.4 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.4 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.4 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.4 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.4 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.4 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 110% | 80%-120% | |
| Bromofluorobenzene | 103% | 80%-120% | |
| Toluene-d8 | 104% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 13
 Sample Description: 841110624-28

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:20
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 15:49 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32788.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 220 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 220 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 220 | ug/kg |
| 62-53-3 | Aniline | ND | 440 | ug/kg |
| 120-12-7 | Anthracene | ND | 220 | ug/kg |
| 92-52-4 | Biphenyl | ND | 220 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 220 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 220 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 220 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 220 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 220 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1100 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 440 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 220 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 220 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 220 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 440 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 220 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 220 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 220 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 440 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 220 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 220 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 220 | ug/kg |
| 218-01-9 | Chrysene | ND | 220 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 220 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 220 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 220 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 440 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 220 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 220 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 220 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 220 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 220 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 220 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 220 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 220 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 220 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 220 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 220 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 13
 Sample Description: 841110624-28

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:20
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 15:49 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32788.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 220 | ug/kg |
| 86-73-7 | Fluorene | ND | 220 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 220 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 220 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 220 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 220 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 220 | ug/kg |
| 78-59-1 | Isophorone | ND | 220 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 220 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 220 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 220 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 440 | ug/kg |
| 91-20-3 | Naphthalene | ND | 220 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 440 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 440 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 440 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 220 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 220 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 220 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 220 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 220 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 220 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 220 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 220 | ug/kg |
| 108-95-2 | Phenol | ND | 220 | ug/kg |
| 129-00-0 | Pyrene | ND | 220 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 220 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 220 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 220 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 59% | 18%-118% | |
| 2-Fluorobiphenyl | 43% | 24%-101% | |
| 2-Fluorophenol | 46% | 10%-94% | |
| 4-Terphenyl-d14 | 60% | 20%-133% | |
| Nitrobenzene-d5 | 49% | 16%-98% | |
| Phenol-d6 | 46% | 15%-102% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 13
Sample Description: 841110624-28

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:20
Date Received: 06/27/2011 15:15
Date Extracted: 07/01/2011 12:00 By: AJM
Date Analyzed: 07/05/2011 14:30 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 25
Sample Weight/Volume: 10.10
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070507.D
QC Batch#: 86212

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 26 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 26 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 26 | mg/kg |
| | Total PHC | ND | 26 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 13
 Sample Description: 841110624-28

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:20
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 14:54 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070511.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 18 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 18 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 18 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 18 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 18 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 18 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 18 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 86% | 10%-103% | |
| Decachlorobiphenyl | 92% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 13
 Sample Description: 841110624-28

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:20
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 19:32 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Dilution Factor: 1
 Lab Data File: J46015.D,j45985.d
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.2 | ug/kg |
| 71-43-2 | Benzene | ND | 5.2 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.2 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.2 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.2 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.2 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.2 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.2 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.2 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.2 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.2 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.2 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.2 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.2 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.2 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.2 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.2 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.2 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.2 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.2 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.2 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.2 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.2 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 13
 Sample Description: 841110624-28

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:20
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 19:32 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Dilution Factor: 1
 Lab Data File: J46015.D,j45985.d
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 21 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.2 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.2 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.2 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.2 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.2 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.2 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.2 | ug/kg |
| 100-42-5 | Styrene | ND | 5.2 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.2 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.2 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.2 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.2 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.2 | ug/kg |
| 108-88-3 | Toluene | ND | 5.2 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.2 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.2 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.2 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.2 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.2 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 105% | 80%-120% | |
| Bromofluorobenzene | 103% | 80%-120% | |
| Toluene-d8 | 112% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 14
 Sample Description: 841110624-29

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:50
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 16:18 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 6.4
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32789.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|-----|-------|
| 103-33-3 | Azobenzene | ND | 180 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 180 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 180 | ug/kg |
| 62-53-3 | Aniline | ND | 360 | ug/kg |
| 120-12-7 | Anthracene | ND | 180 | ug/kg |
| 92-52-4 | Biphenyl | ND | 180 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 180 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 180 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 180 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 180 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 180 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 890 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 360 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 180 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 180 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 180 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 360 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 180 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 180 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 180 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 360 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 180 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 180 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 180 | ug/kg |
| 218-01-9 | Chrysene | ND | 180 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 180 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 180 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 180 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 360 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 180 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 180 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 180 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 180 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 180 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 180 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 180 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 180 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 180 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 180 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 180 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 14
 Sample Description: 841110624-29

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:50
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 16:18 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 6.4
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32789.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 180 | ug/kg |
| 86-73-7 | Fluorene | ND | 180 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 180 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 180 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 180 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 180 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 180 | ug/kg |
| 78-59-1 | Isophorone | ND | 180 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 180 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 180 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 180 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 360 | ug/kg |
| 91-20-3 | Naphthalene | ND | 180 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 360 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 360 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 360 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 180 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 180 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 180 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 180 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 180 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 180 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 180 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 180 | ug/kg |
| 108-95-2 | Phenol | ND | 180 | ug/kg |
| 129-00-0 | Pyrene | ND | 180 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 180 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 180 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 180 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 71% | 18%-118% |
| 2-Fluorobiphenyl | 34% | 24%-101% |
| 2-Fluorophenol | 34% | 10%-94% |
| 4-Terphenyl-d14 | 65% | 20%-133% |
| Nitrobenzene-d5 | 38% | 16%-98% |
| Phenol-d6 | 35% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 14
Sample Description: 841110624-29

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:50
Date Received: 06/27/2011 15:15
Date Extracted: 07/01/2011 12:00 By: AJM
Date Analyzed: 07/06/2011 17:51 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 6.4
Sample Weight/Volume: 10.00
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070617.D
QC Batch#: 86212

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 21 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 21 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 21 | mg/kg |
| | Total PHC | ND | 21 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 14
 Sample Description: 841110624-29

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:50
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 14:35 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 6.4
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070510.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 36 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 36 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 36 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 36 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 36 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 36 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 36 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 85% | 10%-103% | |
| Decachlorobiphenyl | 96% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 14
 Sample Description: 841110624-29

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:50
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 17:15 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 6.4
 Dilution Factor: 1
 Lab Data File: J46010.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.2 | ug/kg |
| 71-43-2 | Benzene | ND | 5.2 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.2 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.2 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.2 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.2 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.2 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.2 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.2 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.2 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.2 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.2 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.2 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.2 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.2 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.2 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.2 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.2 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.2 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.2 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.2 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.2 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.2 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 14
 Sample Description: 841110624-29

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 13:50
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 17:15 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 6.4
 Dilution Factor: 1
 Lab Data File: J46010.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 21 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.2 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.2 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.2 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.2 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.2 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.2 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.2 | ug/kg |
| 100-42-5 | Styrene | ND | 5.2 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.2 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.2 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.2 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.2 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.2 | ug/kg |
| 108-88-3 | Toluene | ND | 5.2 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.2 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.2 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.2 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.2 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.2 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 119% | 80%-120% | |
| Bromofluorobenzene | 110% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 15
 Sample Description: 841110624-30

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 16:47 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32790.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 210 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 210 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 210 | ug/kg |
| 62-53-3 | Aniline | ND | 420 | ug/kg |
| 120-12-7 | Anthracene | ND | 210 | ug/kg |
| 92-52-4 | Biphenyl | ND | 210 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 210 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 210 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 210 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 210 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 210 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 420 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 210 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 210 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 210 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 420 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 210 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 210 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 210 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 420 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 210 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 210 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 210 | ug/kg |
| 218-01-9 | Chrysene | ND | 210 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 210 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 210 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 210 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 420 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 210 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 210 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 210 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 210 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 210 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 210 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 210 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 210 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 210 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 210 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 210 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 15
 Sample Description: 841110624-30

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 16:47 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32790.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 210 | ug/kg |
| 86-73-7 | Fluorene | ND | 210 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 210 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 210 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 210 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 210 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 210 | ug/kg |
| 78-59-1 | Isophorone | ND | 210 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 210 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 210 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 210 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 420 | ug/kg |
| 91-20-3 | Naphthalene | ND | 210 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 420 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 420 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 420 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 210 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 210 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 210 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 210 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 210 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 210 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 210 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 210 | ug/kg |
| 108-95-2 | Phenol | ND | 210 | ug/kg |
| 129-00-0 | Pyrene | ND | 210 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 210 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 210 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 210 | ug/kg |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 47% | 18%-118% |
| 2-Fluorobiphenyl | 36% | 24%-101% |
| 2-Fluorophenol | 34% | 10%-94% |
| 4-Terphenyl-d14 | 58% | 20%-133% |
| Nitrobenzene-d5 | 39% | 16%-98% |
| Phenol-d6 | 37% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 15
Sample Description: 841110624-30

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:00
Date Received: 06/27/2011 15:15
Date Extracted: 07/01/2011 12:00 By: AJM
Date Analyzed: 07/06/2011 17:17 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 10.00
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070616.D
QC Batch#: 86212

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 25 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 25 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 25 | mg/kg |
| | Total PHC | ND | 25 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 15
 Sample Description: 841110624-30

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 14:16 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070509.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 17 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 17 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 17 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 17 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 17 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 17 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 17 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 85% | 10%-103% | |
| Decachlorobiphenyl | 99% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 15
 Sample Description: 841110624-30

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 07/01/2011 12:50 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Dilution Factor: 1
 Lab Data File: J46028.D
 QC Batch#: 86156

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.6 | ug/kg |
| 71-43-2 | Benzene | ND | 5.6 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.6 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.6 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.6 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.6 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.6 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.6 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.6 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.6 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.6 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.6 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.6 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.6 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.6 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.6 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.6 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.6 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.6 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.6 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.6 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.6 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.6 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.6 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.6 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.6 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.6 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.6 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.6 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.6 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.6 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.6 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.6 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.6 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.6 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.6 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.6 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.6 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 15
 Sample Description: 841110624-30

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 07/01/2011 12:50 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Dilution Factor: 1
 Lab Data File: J46028.D
 QC Batch#: 86156

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.6 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.6 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.6 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.6 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.6 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.6 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.6 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.6 | ug/kg |
| 100-42-5 | Styrene | ND | 5.6 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.6 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.6 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.6 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.6 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.6 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.6 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.6 | ug/kg |
| 108-88-3 | Toluene | ND | 5.6 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.6 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.6 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.6 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.6 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.6 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.6 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.6 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.6 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.6 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.6 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 106% | 82%-120% | |
| Bromofluorobenzene | 101% | 70%-122% | |
| Toluene-d8 | 104% | 77%-126% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 16
 Sample Description: 841110624-31

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 22:58 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 7.3
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 2
 Lab Data File: L32803.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 720 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 720 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 720 | ug/kg |
| 62-53-3 | Aniline | ND | 1400 | ug/kg |
| 120-12-7 | Anthracene | 860 | 720 | ug/kg |
| 92-52-4 | Biphenyl | ND | 720 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | 3600 | 720 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | 4200 | 140 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | 6100 | 720 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | 2400 | 720 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | 2200 | 720 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 3600 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 1400 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 720 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 720 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 720 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 1400 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 720 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 720 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 720 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 1400 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 720 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 720 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 720 | ug/kg |
| 218-01-9 | Chrysene | 3800 | 140 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 140 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 720 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 720 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 1400 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 720 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 720 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 720 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 720 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 720 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 720 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 720 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 720 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 720 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 720 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 720 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 16
 Sample Description: 841110624-31

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 22:58 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 7.3
 Sample Weight/Volume: 30.00
 Dilution Factor: 2
 Extract Volume: 2
 Lab Data File: L32803.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|------|-------|
| 206-44-0 | Fluoranthene | 5500 | 720 | ug/kg |
| 86-73-7 | Fluorene | ND | 720 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 140 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 720 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 720 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 720 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 2400 | 720 | ug/kg |
| 78-59-1 | Isophorone | ND | 720 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 720 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 720 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 720 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 1400 | ug/kg |
| 91-20-3 | Naphthalene | ND | 720 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 1400 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 1400 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 1400 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 720 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 720 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 720 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 720 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 720 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 720 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 720 | ug/kg |
| 85-01-8 | Phenanthrene | 4000 | 720 | ug/kg |
| 108-95-2 | Phenol | ND | 720 | ug/kg |
| 129-00-0 | Pyrene | 9000 | 720 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 720 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 720 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 720 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 63% | 18%-118% |
| 2-Fluorobiphenyl | 35% | 24%-101% |
| 2-Fluorophenol | 22% | 10%-94% |
| 4-Terphenyl-d14 | 83% | 20%-133% |
| Nitrobenzene-d5 | 29% | 16%-98% |
| Phenol-d6 | 31% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 16
Sample Description: 841110624-31

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:15
Date Received: 06/27/2011 15:15
Date Extracted: 07/01/2011 12:00 By: AJM
Date Analyzed: 07/06/2011 22:53 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 7.3
Sample Weight/Volume: 10.00
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6070626.D
QC Batch#: 86212

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 43 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 43 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 1300 | 43 | mg/kg |
| | Total PHC | 1300 | 43 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 16
 Sample Description: 841110624-31

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:15
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/05/2011 19:03 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 7.3
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070524.D;8070610.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|------|-------|
| 12674-11-2 | Aroclor 1016 | ND | 3600 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 3600 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 3600 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 3600 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 3600 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 3600 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 3600 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 73% | 10%-103% | |
| Decachlorobiphenyl | 106% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 16
 Sample Description: 841110624-31

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 17:42 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 7.3
 Dilution Factor: 1
 Lab Data File: J46011.D,J45988.d
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 130 | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/kg |
| 71-43-2 | Benzene | ND | 5.0 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.0 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.0 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.0 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.0 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.0 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.0 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.0 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.0 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.0 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.0 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.0 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.0 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.0 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.0 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.0 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.0 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.0 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.0 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 16
 Sample Description: 841110624-31

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:15
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 17:42 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 7.3
 Dilution Factor: 1
 Lab Data File: J46011.D,J45988.d
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.0 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.0 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.0 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | ug/kg |
| 100-42-5 | Styrene | ND | 5.0 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.0 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.0 | ug/kg |
| 108-88-3 | Toluene | ND | 5.0 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.0 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.0 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.0 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.0 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 115% | 80%-120% | |
| Bromofluorobenzene | 86% | 80%-120% | |
| Toluene-d8 | 119% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 17
 Sample Description: 841110624-32

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 18:12 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32793.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 210 | ug/kg |
| 83-32-9 | Acenaphthene | ND | 210 | ug/kg |
| 208-96-8 | Acenaphthylene | ND | 210 | ug/kg |
| 62-53-3 | Aniline | ND | 420 | ug/kg |
| 120-12-7 | Anthracene | ND | 210 | ug/kg |
| 92-52-4 | Biphenyl | ND | 210 | ug/kg |
| 56-55-3 | Benzo[a]anthracene | ND | 210 | ug/kg |
| 50-32-8 | Benzo[a]pyrene | ND | 210 | ug/kg |
| 205-99-2 | Benzo[b]fluoranthene | ND | 210 | ug/kg |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 210 | ug/kg |
| 207-08-9 | Benzo[k]fluoranthene | ND | 210 | ug/kg |
| 65-85-0 | Benzoic acid | ND | 1000 | ug/kg |
| 100-51-6 | Benzyl alcohol | ND | 420 | ug/kg |
| 85-68-7 | Benzyl butyl phthalate | ND | 210 | ug/kg |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 210 | ug/kg |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 210 | ug/kg |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 420 | ug/kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 210 | ug/kg |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 210 | ug/kg |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 210 | ug/kg |
| 106-47-8 | 4-Chloroaniline | ND | 420 | ug/kg |
| 91-58-7 | 2-Chloronaphthalene | ND | 210 | ug/kg |
| 95-57-8 | 2-Chlorophenol | ND | 210 | ug/kg |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 210 | ug/kg |
| 218-01-9 | Chrysene | ND | 210 | ug/kg |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 210 | ug/kg |
| 84-74-2 | Di-n-butyl phthalate | ND | 210 | ug/kg |
| 117-84-0 | Di-n-octyl phthalate | ND | 210 | ug/kg |
| 132-64-9 | Dibenzofuran | ND | 420 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 210 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 210 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 210 | ug/kg |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 210 | ug/kg |
| 120-83-2 | 2,4-Dichlorophenol | ND | 210 | ug/kg |
| 84-66-2 | Diethyl phthalate | ND | 210 | ug/kg |
| 131-11-3 | Dimethyl phthalate | ND | 210 | ug/kg |
| 105-67-9 | 2,4-Dimethylphenol | ND | 210 | ug/kg |
| 51-28-5 | 2,4-Dinitrophenol | ND | 210 | ug/kg |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 210 | ug/kg |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 210 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 17
 Sample Description: 841110624-32

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 11:00 By: AJM
 Date Analyzed: 07/05/2011 18:12 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32793.D
 QC Batch#: 86210

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 210 | ug/kg |
| 86-73-7 | Fluorene | ND | 210 | ug/kg |
| 118-74-1 | Hexachlorobenzene | ND | 210 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 210 | ug/kg |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 210 | ug/kg |
| 67-72-1 | Hexachloroethane | ND | 210 | ug/kg |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 210 | ug/kg |
| 78-59-1 | Isophorone | ND | 210 | ug/kg |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 210 | ug/kg |
| 91-57-6 | 2-Methylnaphthalene | ND | 210 | ug/kg |
| 95-48-7 | 2-Methylphenol | ND | 210 | ug/kg |
| 108-39-4 | 3- & 4-Methylphenols | ND | 420 | ug/kg |
| 91-20-3 | Naphthalene | ND | 210 | ug/kg |
| 88-74-4 | 2-Nitroaniline | ND | 420 | ug/kg |
| 99-09-2 | 3-Nitroaniline | ND | 420 | ug/kg |
| 100-01-6 | 4-Nitroaniline | ND | 420 | ug/kg |
| 98-95-3 | Nitrobenzene | ND | 210 | ug/kg |
| 88-75-5 | 2-Nitrophenol | ND | 210 | ug/kg |
| 100-02-1 | 4-Nitrophenol | ND | 210 | ug/kg |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 210 | ug/kg |
| 62-75-9 | N-Nitrosodimethylamine | ND | 210 | ug/kg |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 210 | ug/kg |
| 87-86-5 | Pentachlorophenol | ND | 210 | ug/kg |
| 85-01-8 | Phenanthrene | ND | 210 | ug/kg |
| 108-95-2 | Phenol | ND | 210 | ug/kg |
| 129-00-0 | Pyrene | ND | 210 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 210 | ug/kg |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 210 | ug/kg |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 210 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|----------------------|----------|-----------|
| 2,4,6-Tribromophenol | 82% | 18%-118% |
| 2-Fluorobiphenyl | 47% | 24%-101% |
| 2-Fluorophenol | 51% | 10%-94% |
| 4-Terphenyl-d14 | 78% | 20%-133% |
| Nitrobenzene-d5 | 48% | 16%-98% |
| Phenol-d6 | 51% | 15%-102% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
Sample No: 17
Sample Description: 841110624-32

Customer: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:30
Date Received: 06/27/2011 15:15
Date Extracted: 07/01/2011 12:00 By: AJM
Date Analyzed: 07/06/2011 18:25 By: MRB
Preparation Method: 8100
Analytical Method: 8100

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 10.00
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6070618.D
QC Batch#: 86212

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C12 Light Petroleum Distillate | ND | 25 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 25 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 25 | mg/kg |
| | Total PHC | ND | 25 | mg/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 17
 Sample Description: 841110624-32

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:30
 Date Received: 06/27/2011 15:15
 Date Extracted: 06/30/2011 09:00 By: DPR
 Date Analyzed: 07/06/2011 09:22 By: MRB
 Preparation Method: 3500
 Analytical Method: 8082

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 30.00
 Dilution Factor: 1
 Extract Volume: 2
 Lab Data File: 8070604.D
 QC Batch#: 86192

| CAS No. | Parameter | Result | DL | Units |
|------------|--------------|--------|----|-------|
| 12674-11-2 | Aroclor 1016 | ND | 17 | ug/kg |
| 11104-28-2 | Aroclor 1221 | ND | 17 | ug/kg |
| 11141-16-5 | Aroclor 1232 | ND | 17 | ug/kg |
| 53469-21-9 | Aroclor 1242 | ND | 17 | ug/kg |
| 12672-29-6 | Aroclor 1248 | ND | 17 | ug/kg |
| 11097-69-1 | Aroclor 1254 | ND | 17 | ug/kg |
| 11096-82-5 | Aroclor 1260 | ND | 17 | ug/kg |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Tetrachloro-m-xylene | 84% | 10%-103% | |
| Decachlorobiphenyl | 99% | 10%-142% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 17
 Sample Description: 841110624-32

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:30
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 20:26 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Dilution Factor: 1
 Lab Data File: J46017.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 640 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 6.4 | ug/kg |
| 71-43-2 | Benzene | ND | 6.4 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 6.4 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 6.4 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 6.4 | ug/kg |
| 75-25-2 | Bromoform | ND | 6.4 | ug/kg |
| 74-83-9 | Bromomethane | ND | 6.4 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | 69 | 13 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 6.4 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 6.4 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 6.4 | ug/kg |
| 75-15-0 | Carbon disulfide | 11 | 6.4 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 6.4 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 6.4 | ug/kg |
| 75-00-3 | Chloroethane | ND | 6.4 | ug/kg |
| 67-66-3 | Chloroform | ND | 6.4 | ug/kg |
| 74-87-3 | Chloromethane | ND | 6.4 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 6.4 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 6.4 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.4 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 6.4 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 6.4 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 6.4 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.4 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.4 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.4 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.4 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.4 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 6.4 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.4 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.4 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.4 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.4 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 6.4 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 6.4 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 6.4 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.4 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.4 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 6.4 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 17
 Sample Description: 841110624-32

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 14:30
 Date Received: 06/27/2011 15:15
 Date Analyzed: 06/30/2011 20:26 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Dilution Factor: 1
 Lab Data File: J46017.D
 QC Batch#: 86074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 26 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 6.4 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 6.4 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 13 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 6.4 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 6.4 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 6.4 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 13 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 6.4 | ug/kg |
| 91-20-3 | Naphthalene | ND | 6.4 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 6.4 | ug/kg |
| 100-42-5 | Styrene | ND | 6.4 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 6.4 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 6.4 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 6.4 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 6.4 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 6.4 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.4 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 6.4 | ug/kg |
| 108-88-3 | Toluene | ND | 6.4 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.4 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.4 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.4 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.4 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 6.4 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 6.4 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 6.4 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 6.4 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 6.4 | ug/kg |
| 95-47-6 | o-Xylene | ND | 6.4 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 13 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 106% | 82%-120% | |
| Bromofluorobenzene | 93% | 80%-120% | |
| Toluene-d8 | 104% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 18
 Sample Description: 841110624-34

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 15:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 07/01/2011 17:17 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20747.D
 QC Batch#: 86106

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | 1.8 | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 18
 Sample Description: 841110624-34

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 15:00
 Date Received: 06/27/2011 15:15
 Date Analyzed: 07/01/2011 17:17 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20747.D
 QC Batch#: 86106

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | |
|-----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 1,2-Dichloroethane-d4 | 106% | 88%-111% |
| Bromofluorobenzene | 100% | 92%-110% |
| Toluene-d8 | 103% | 90%-118% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 19
 Sample Description: 841110624-33

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 15:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 13:50 By: AMH
 Date Analyzed: 07/01/2011 18:26 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 10.00
 Dilution Factor: 50
 Extract Volume: 20
 Lab Data File: Q20750.D
 QC Batch#: 86106

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1000 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 1200 | ug/L |
| 71-43-2 | Benzene | ND | 250 | ug/L |
| 108-86-1 | Bromobenzene | ND | 250 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 250 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 250 | ug/L |
| 75-25-2 | Bromoform | ND | 250 | ug/L |
| 74-83-9 | Bromomethane | ND | 250 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 500 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 250 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 250 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 250 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 250 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 250 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 250 | ug/L |
| 75-00-3 | Chloroethane | ND | 250 | ug/L |
| 67-66-3 | Chloroform | ND | 250 | ug/L |
| 74-87-3 | Chloromethane | ND | 250 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 250 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 250 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 250 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 250 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 250 | ug/L |
| 74-95-3 | Dibromomethane | ND | 250 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 250 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 250 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 250 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 250 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 250 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 250 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 250 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 250 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 250 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 250 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 250 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 250 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 250 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 250 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 250 | ug/L |
| 60-29-7 | Diethyl ether | ND | 500 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E106H63
 Sample No: 19
 Sample Description: 841110624-33

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 06/24/2011 15:00
 Date Received: 06/27/2011 15:15
 Date Extracted: 07/01/2011 13:50 By: AMH
 Date Analyzed: 07/01/2011 18:26 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 10.00
 Dilution Factor: 50
 Extract Volume: 20
 Lab Data File: Q20750.D
 QC Batch#: 86106

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 2500 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 250 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 250 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 500 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 250 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 250 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 250 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 500 | ug/L |
| 75-09-2 | Methylene chloride | ND | 250 | ug/L |
| 91-20-3 | Naphthalene | ND | 250 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 250 | ug/L |
| 100-42-5 | Styrene | ND | 250 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 250 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 250 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 250 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 250 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 250 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 250 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 250 | ug/L |
| 108-88-3 | Toluene | ND | 250 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 250 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 250 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 250 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 250 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 250 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 250 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 250 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 250 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 250 | ug/L |
| 95-47-6 | o-Xylene | ND | 250 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 500 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 97% | 92%-110% | |
| 1,2-Dichloroethane-d4 | 106% | 88%-111% | |
| Toluene-d8 | 103% | 90%-118% | |



FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201
- 78 Interstate Drive, West Springfield, MA 01089

- 50 Redfield Street, Suite 100, Boston, MA 02122
- 25 Providence Street, Suite 250, Providence, RI 02908
- 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

E 106H63 764

317 Iron Horse Way Suite 204

CHAIN-OF-CUSTODY RECORD 22053

Turnaround

- 1 Day* 3 Days* Other _____ (days)
- 2 Days* Standard (____ days) *Surcharge Applies

PROJECT NAME

Color and Chemical
REPORT TO: Patrick Dowling, pdowling@fandO.com
INVOICE TO: Cynthia Grant-Francesco, RIDEM
P.O. No.: 84120100435 A20

PROJECT LOCATION

Wassocket, RI

PROJECT NUMBER

20091532.A20

LABORATORY

Premier Containers

Analysis Request

| | | | | | | |
|--------------------------------|--------------------------------|--------------------------------|----------------------------------|-------------------------------------|--|---|
| Soil VOA Val. [X] methanol | Soil VOA Val. [] water | Other [] Na2SO4 | Water VOA Val. [] As is [] HCl | Plastic - As is [] As is [] H2SO4 | Plastic - H2SO4 [] 250 ml [] 500 [] 1000 ml | Plastic - HNO3 250 ml [] Filtered [] Unfiltered |
| Glass Soil Container [] water | Glass Soil Container [] water | Glass Soil Container [] water | Glass Amber [] As is [] HCl | Plastic - As is [] As is [] H2SO4 | Plastic - H2SO4 [] 250 ml [] 500 [] 1000 ml | Plastic - NaOH 250 ml [] Filtered [] Unfiltered |

Sampler's Signature: *[Signature]* Date: 6/24/11
Source Codes: PW=Potable Water S=Soil W=Waste
MW=Monitoring Well T=Treatment Facility B=Sediment A=Air
SW=Surface Water X=Other

| Item No. | Transfer Check | | | | Sample Number | Source Code | Date Sampled | Time Sampled | Comments |
|----------|----------------|---|---|---|---------------|-------------|--------------|--------------|----------|
| | 1 | 2 | 3 | 4 | | | | | |
| 1 | ✓ | ✓ | ✓ | ✓ | 841110624-10 | S | 6/24/11 0730 | 0800 | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | -17 | | | 0915 | ✓ |
| 3 | ✓ | ✓ | ✓ | ✓ | -18 | | | 0940 | ✓ |
| 4 | ✓ | ✓ | ✓ | ✓ | -19 | | | 1000 | ✓ |
| 5 | ✓ | ✓ | ✓ | ✓ | -20 | | | 1020 | ✓ |
| 6 | ✓ | ✓ | ✓ | ✓ | -21 | | | 1115 | ✓ |
| 7 | ✓ | ✓ | ✓ | ✓ | -22 | | | 1130 | ✓ |
| 8 | ✓ | ✓ | ✓ | ✓ | -23 | | | 1200 | ✓ |
| 9 | ✓ | ✓ | ✓ | ✓ | -24 | | | 1230 | ✓ |
| 10 | ✓ | ✓ | ✓ | ✓ | -25 | | | | ✓ |

✓ VCR by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10
✓ PCBs by 8/10

| Transfer Number | Relinquished By | Accepted By | Date | Time | Reporting and Detection Limit Requirements: |
|-----------------|--------------------|--------------------|---------|------|--|
| 1 | <i>[Signature]</i> | F10 Fridge | 6/24/11 | 1630 | RIDEM R-DEC / G&B-LC ✓ 7/29 |
| 2 | <i>[Signature]</i> | F10 Fridge | 6/27/11 | 1332 | Additional Comments: - see attached memo ✓ 7/29 |
| 3 | <i>[Signature]</i> | <i>[Signature]</i> | 6/27/11 | 1332 | - Co complete attached checklist ✓ 7/29 |
| 4 | <i>[Signature]</i> | <i>[Signature]</i> | 6/27/11 | 1515 | |

Note: Labor hours required - 7/4 6/20/11
1.14



FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201
- 78 Interstate Drive, West Springfield, MA 01089

E106.H63.B6
317 Iron Horse Way Southbury
50 Redfield Street, Suite 100, Boston, MA 02122
245 Promenade Street, Suite 200, Providence, RI 02908
80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 22054

Turnaround

- 1 Day*
- 2 Days*
- 3 Days*
- Standard (___ days)
- Other ___ (days)
- *Surcharge Applies

PROJECT NUMBER
20091532-A20

PROJECT LOCATION
Woonsocket, RI

LABORATORY
Premier Containers

REPORT TO: **Colorad Chemical**
INVOICE TO: **Patrick Dwyer, pdwyer@colorad.com**
P.O. No.: **84120091532 A20**

Sampler's Signature: *[Signature]* Date: **6/24/11**
Source Codes: MW=Monitoring Well, PW=Potable Water, S=Soil, W=Waste, SW=Surface Water, T=Treatment Facility, B=Sediment, A=Air

Analysis Request: **LOC by trace SWC by trace**
Le metal by color trace
Trace by trace
Trace by trace

| Item No. | Transfer Check | | | | Sample Number | Source Code | Date Sampled | Time Sampled | Comments |
|----------|----------------|---|---|---|---------------|-------------|--------------|--------------|----------|
| | 1 | 2 | 3 | 4 | | | | | |
| 11 | ✓ | ✓ | ✓ | ✓ | 841110624-26 | S | 6/24/11 | 1240 | |
| 12 | ✓ | ✓ | ✓ | ✓ | -27 | | | 1315 | |
| 13 | ✓ | ✓ | ✓ | ✓ | -28 | | | 1320 | |
| 14 | ✓ | ✓ | ✓ | ✓ | -29 | | | 1350 | |
| 15 | ✓ | ✓ | ✓ | ✓ | -30 | | | 1400 | |
| 16 | ✓ | ✓ | ✓ | ✓ | -31 | | | 1415 | |
| 17 | ✓ | ✓ | ✓ | ✓ | -32 | | | 1430 | |
| 18 | ✓ | ✓ | ✓ | ✓ | -33 | X | | 1500 | |
| 19 | ✓ | ✓ | ✓ | ✓ | -34 | X | | 1500 | |

| Transfer Number | Relinquished By | Accepted By | Date | Time | Reporting and Detection Limit Requirements: |
|-----------------|--------------------|--------------------|---------|------|---|
| 1 | <i>[Signature]</i> | Fro Bridge | 6/24/11 | 1630 | R-DEC / GB-11 |
| 2 | <i>[Signature]</i> | <i>[Signature]</i> | 6/27/11 | 1332 | - See attached memo |
| 3 | <i>[Signature]</i> | <i>[Signature]</i> | 6/29/11 | 1353 | - Complete attached checklist |
| 4 | <i>[Signature]</i> | <i>[Signature]</i> | 6/27/11 | 1515 | |

119



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS?*****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|-------------------------------------|-------------------------------------|--------------------------|
| 1. SDG Project Narratives | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| 2. Traffic Report | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| 3. Volatiles Data | | | |
| a. Sample Data | | | |
| Target Compound List (TCL) Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Reconstructed total ion chromatograms (RIC) for each sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of target compounds identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Mass spectra of all reported TICs with three best library matches | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Percent solids calculations | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| b. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Area Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| c. Raw QC Data | | | |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| 4. Semivolatiles Data | | | |
| a. QC Summary | | | |
| Surrogate Percent Recovery Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| MS/MSD Summary | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Method Blank Summary | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Tuning and Mass Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS
 (Continued)**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS?***

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| b. Sample Data | | | |
| TCL Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tentatively Identified Compounds | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>NA</u> |
| Reconstructed total ion chromatograms (RIC) for each Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| For each sample: Raw spectra and background-subtracted mass spectra of TCL compounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Mass spectra of TICs with 3 best library matches | | <input type="checkbox"/> | _____ <u>NA</u> |
| GPC chromatograms (if GPC performed) | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>NA</u> |
| c. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| d. Raw QC Data | | | |
| Decafluorotriphenylphosphine (DFTPP) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>NA</u> |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>NA</u> |
| 5. Miscellaneous Data | | | |
| Original preparation and analysis forms or copies of preparation and analysis log book pages | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal sample & sample extract transfer chain-of-custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Screening Records | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>NA</u> |



E106 H₂3

INITIAL DATE: JULY 2007
REVISION DATE: JULY 2007
REVISION: 0.0

All instrument output, including strip charts from screening _____
activities (describe or list)



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)

PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS? **

| | YES | NO | COMMENTS |
|---|-------------------------------------|--------------------------|----------|
| 6. Chain-of-Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-in Sheet (Lab & DC1) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Miscellaneous Shipping/Receiving Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 8. Other Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 9. Comments: | _____ | | |
| _____ | | | |
| _____ | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: Montgomery LISA MONTGOMERY 9/9/11
(Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Montgomery LISA MONTGOMERY 9/9/11
(Lab) (Signature) (Printed Name/Title) Date



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
INORGANIC COMPOUNDS

PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS? **

| | YES | NO | COMMENTS |
|---|-------------------------------------|-------------------------------------|--------------------------|
| 1. SDG Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Inorganic Analysis Data Sheet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 3. Initial and Continuing Calibration Verification | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. CRDL Standard for AA and ICP | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 5. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 6. ICP Interference Check Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 7. Spike Sample Recovery | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 8. Post Digest Spike Sample Recovery | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 9. Duplicates | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 10. Laboratory Control Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 11. Standard Addition Results | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 12. ICP Serial Dilutions | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 13. Instrument Detection Limits, Quarterly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Annual |
| 14. ICP Interelement Correction Factors, Annually | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 15. ICP Linear Ranges Quarterly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 16. Preparation Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Analysis Run Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 18. ICP Raw Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 19. Furnace AA Raw Data | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 20. Mercury Raw Data | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 21. Percent Solids Calculations | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 22. Digestion Logs | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 23. EPA Shipping/Receiving Records (List all individual records) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample Log-In sheet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | LIMS |
| 24. Miscellaneous Shipping/Receiving Records (List all individual records) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
INORGANIC COMPOUNDS
(Continued)

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS? **

| | YES | NO | COMMENTS |
|--|-------------------------------------|--------------------------|-------------------|
| 25. Internal Lab Sample Transfer Records and Tracking Sheets (Describe or List) <u>N/A</u> | | | |
| 26. Internal Original Sample Preparation and analysis Records (Describe or List) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Preparation Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>logbook</u> |
| Analysis Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>electronic</u> |
| Description | <input type="checkbox"/> | <input type="checkbox"/> | |
| 27. Other Records (Describe or List) | | | |
| 28. Comments: | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: K. Laliberte K. Laliberte 09-08-11
(Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Lisa Montgomery Lisa Montgomery 9/8/11
(Lab) (Signature) (Printed Name/Title) Date



**Modified Tier II
Data Validation Narrative**

Project: 20091532A20, Woonsocket Color and Chemical

| | |
|---|------------------|
| Premier Laboratory Project Number: | E10716 |
| Date Samples Received at Laboratory: | July 5, 2011 |
| Date of Review: | December 4, 2013 |

Twelve groundwater samples, including one duplicate sample, were collected and submitted to Premier Laboratory, Inc. (Premier). The samples were analyzed for the following analytes using the designated methods:

- Volatile organic compounds (VOC) by the United States Environmental Protection Agency (USEPA) Method 8260.
- Semi-volatile organic compounds (SVOC) by USEPA Method 8270.
- Sixteen total metals by USEPA Methods 6010/7470 including arsenic, barium, cadmium, chromium, lead, selenium, silver, zinc, vanadium, thallium, nickel, manganese, copper, beryllium, antimony, and mercury.

In addition, one laboratory-supplied hydrochloric acid-preserved trip blank was submitted for analysis of VOC by USEPA Method 8260. Dedicated sampling equipment was utilized, so equipment blanks and field blanks were not collected during these sampling activities.

One compound, carbon disulfide, was detected in the trip blank at a concentration of 1.1 µg/L, exceeding the laboratory detection limit of 1.0 µg/L. This compound was detected in one sample at a concentration exceeding the laboratory reporting limits. Samples were received by the laboratory at 3.1 degrees Celsius, and all samples were analyzed within the method-specific holding times.

As documented in the case narrative included in the analytical report, the following non-conformances were identified during analysis of these samples:

- Recoveries of a surrogate SVOC added to three samples (1080110701-04, -07, and -09) were below quality control limits due to matrix interference, suggesting low bias for the corresponding SVOC results.

The concentrations of SVOC in the groundwater samples affected by the SVOC-related non-conformance were generally below detection limits with the exception of six detected SVOCs. None of the detected compounds had established regulatory criteria. In general, the non-conformances reported by Premier were not expected to affect the usability of the data because conclusions regarding compliance or non-compliance of the affected samples with the applicable regulatory criteria were able to be made, despite potential bias.

Total metals and the SVOC, pentachlorophenol, were detected in both the primary and duplicate samples at concentrations at or exceeding laboratory detection limits. Relative percent differences (RPDs) calculated using the data for these metals and pentachlorophenol in the primary and duplicate samples were all less than the 30% maximum goal, with the exception of the RPD of 158% for barium. No applicable regulatory criterion has been established for barium in groundwater and the concentration may have been affected by the presence of suspended solids in the sample. The high RPD for barium is not expected to affect the usability of the groundwater data.



Analytical results were compared to the Method 1 GB Groundwater Objectives (GB-GO) promulgated by the Rhode Island Department of Environmental Management. Detection limits were low enough to allow direct comparison to the GB-GO.



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
MODIFIED TIER I COMPLETENESS CHECKLIST**

| | <u>YES</u> | <u>NO</u> |
|---|-------------------------------------|-------------------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | |
| Field measurement calibration records | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Groundwater field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Soil sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Sediment sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> |
| Surface water sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> |
| Low-flow sampling field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Documentation of field activities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample numbering and labeling | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicate samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. LABORATORY MEASUREMENTS: | | |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Instrument blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Laboratory control samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicates samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Matrix spike/matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Surrogate recoveries | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> NA |

TOTAL: 15 1

PERCENT COMPLETE: 94 %



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST**

**PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS?**

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|-------------------------------------|---------------------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | | |
| Field measurement calibration records | | | |
| pH - ± 0.3 pH units | <input type="checkbox"/> | <input type="checkbox"/> | <u>Not found</u> |
| S.C. - ± 5% of calibration solution, within? calibration range | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Temperature - ± 0.5 °C | <input type="checkbox"/> | <input type="checkbox"/> | |
| D.O. - ± 5% of calibration solution | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Groundwater field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Soil sampling field measurements (if applicable) | | | |
| OVM - ± 2 ppm | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| OVA - ± 2 ppm | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Sediment sampling field measurements (if applicable) | | | |
| Descriptive information recorded? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Surface water sampling field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Low-flow sampling field measurements (if applicable) | | | |
| S.C. - ± 10% | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| pH - ± 0.2 pH units | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 10% | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Turbidity - ±5 NTU | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>Several samples outside ±5 NTU</u> |
| Documentation of field activities | | | |
| Site-specific information documented in field notebook? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Field data sheets completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample numbering and labeling | | | |
| Sample numbering conforms to sample I.D. system identified in QAPP? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | | | |
| Chain-of-Custody forms completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST
 (Continued)**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?**

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|-------------------------------------|--|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>carbon disulfide @ 1.1 us/L (lab)</u> |
| Duplicate samples | | | |
| Field duplicates performed, 1/20 samples? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates performed on 10% of samples screened for explosives? | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Is percent difference within 30% for all field parameters? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>barium @ 150%</u> |
| Equipment blanks | | | |
| Equipment blanks submitted, one per sampling day? | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Any compounds detected in equipment blank? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Split samples (if any) | | | |
| Split samples collected? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Is percent difference within 30% for split samples? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |

2. LABORATORY MEASUREMENTS:

| | | | |
|--|-------------------------------------|--------------------------|---|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>carbon disulfide @ 1.1 us/L</u> |
| Instrument blanks** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Laboratory control samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Equipment blanks** | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Matrix spike/matrix spike duplicates** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Surrogate recoveries** | <input type="checkbox"/> | <input type="checkbox"/> | <u>one surrogate in 3 samples out of QC range</u> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Split samples (if any)** | <input type="checkbox"/> | <input type="checkbox"/> | <u>NA</u> |
| Most recent EPA WP-PE sample results** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill, Inc.
317 Iron Horse Way
Suite 204
Providence, RI 02908
Attn: Pat Dowling

Report Number: E107161

Project: 20091532.A20/ Color and Chem

Received Date: 07/05/2011

Report Date: 07/12/2011

Premier Laboratory, Inc
Authorized Signature



Certified and Compliant with:

CT (PH-0465), EPA (CT00008), MA (M-CT008), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300), UCMR2 (CT00008), VT (VT11549)



101-000000311496



61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E107161
Client: Fuss & O'Neill
Project: 20091532.A20/ Color and Chem

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Premier Laboratory, Inc received 13 samples from Fuss & O'Neill on 07/05/2011. The samples were analyzed for the following list of analyses:

Mercury by 7470 in GW
7470A[245.1]
Trace Metals by 6010B
6010B[3000]

Semivolatiles by 8270C for GW/SW
8270C[3500]
Volatiles by 8260B (GA/GW-1/S-1)
8260B

**Non-Conformances:
Work Order:**

None

Sample:

None

Analysis:

Sample 4A, 1080110701-04, Semivolatiles by SW-846 8270C: One surrogate spike was outside quality control limits for the sample due to matrix interference.

Sample 7A, 1080110701-07, Semivolatiles by SW-846 8270C: One surrogate spike was outside quality control limits for the sample due to matrix interference.

Sample 8A, 1080110701-08, Semivolatiles by SW-846 8270C: One surrogate spike was outside quality control limits for the sample due to matrix interference.

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Date Received: 07/05/2011 17:36

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(1) 1080110701-01

Date Collected: 07/01/2011 08:20 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | ND | 0.0050 | mg/L | 07/11/2011 11:19 | KL | |
| Barium | 0.19 | 0.010 | mg/L | 07/11/2011 11:19 | KL | |
| Cadmium | 0.0026 | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Chromium | ND | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Lead | ND | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Selenium | 0.0071 | 0.0050 | mg/L | 07/11/2011 11:19 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Zinc | 1.2 | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Vanadium | ND | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:19 | KL | |
| Nickel | 0.0052 | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Manganese | 1.3 | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Copper | ND | 0.0020 | mg/L | 07/11/2011 11:19 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 11:19 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:19 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

(2) 1080110701-02

Date Collected: 07/01/2011 09:10 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|-------|---------|------|------------------|----|--|
| Arsenic | 0.015 | 0.0050 | mg/L | 07/11/2011 11:23 | KL | |
| Barium | 0.045 | 0.010 | mg/L | 07/11/2011 11:23 | KL | |
| Cadmium | ND | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Chromium | 0.020 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Lead | 0.012 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 11:23 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Zinc | 0.75 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Vanadium | 0.032 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:23 | KL | |
| Nickel | 0.014 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Manganese | 0.45 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Copper | 0.017 | 0.0020 | mg/L | 07/11/2011 11:23 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 11:23 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:23 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Date Received: 07/05/2011 17:36

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(3) 1080110701-03

Date Collected: 07/01/2011 09:20 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|-------|---------|------|------------------|----|--|
| Arsenic | 0.013 | 0.0050 | mg/L | 07/11/2011 11:27 | KL | |
| Barium | 0.38 | 0.010 | mg/L | 07/11/2011 11:27 | KL | |
| Cadmium | ND | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Chromium | 0.018 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Lead | 0.014 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 11:27 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Zinc | 0.68 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Vanadium | 0.030 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:27 | KL | |
| Nickel | 0.012 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Manganese | 0.42 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Copper | 0.014 | 0.0020 | mg/L | 07/11/2011 11:27 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 11:27 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:27 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

(4) 1080110701-04

Date Collected: 07/01/2011 10:52 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.012 | 0.0050 | mg/L | 07/11/2011 11:46 | KL | |
| Barium | 0.54 | 0.010 | mg/L | 07/11/2011 11:46 | KL | |
| Cadmium | 0.0031 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Chromium | 0.040 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Lead | 0.015 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 11:46 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Zinc | 0.76 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Vanadium | 0.060 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:46 | KL | |
| Nickel | 0.028 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Manganese | 0.86 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Copper | 0.10 | 0.0020 | mg/L | 07/11/2011 11:46 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 11:46 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:46 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Date Received: 07/05/2011 17:36

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(5) 1080110701-05

Date Collected: 07/01/2011 11:00 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.015 | 0.0050 | mg/L | 07/11/2011 11:49 | KL | |
| Barium | 0.90 | 0.010 | mg/L | 07/11/2011 11:49 | KL | |
| Cadmium | 0.0044 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Chromium | 0.075 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Lead | 0.022 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 11:49 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Zinc | 0.44 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Vanadium | 0.094 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:49 | KL | |
| Nickel | 0.048 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Manganese | 2.0 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Copper | 0.075 | 0.0020 | mg/L | 07/11/2011 11:49 | KL | |
| Beryllium | 0.0018 | 0.0010 | mg/L | 07/11/2011 11:49 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:49 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

(6) 1080110701-06

Date Collected: 07/01/2011 11:15 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.018 | 0.0050 | mg/L | 07/11/2011 11:53 | KL | |
| Barium | 0.38 | 0.010 | mg/L | 07/11/2011 11:53 | KL | |
| Cadmium | 0.0031 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Chromium | 0.090 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Lead | 0.023 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 11:53 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Zinc | 3.1 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Vanadium | 0.090 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:53 | KL | |
| Nickel | 0.88 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Manganese | 0.88 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Copper | 0.075 | 0.0020 | mg/L | 07/11/2011 11:53 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 11:53 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:53 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Date Received: 07/05/2011 17:36

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(7) 1080110701-07

Date Collected: 07/01/2011 12:55 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.0095 | 0.0050 | mg/L | 07/11/2011 11:56 | KL | |
| Barium | 0.38 | 0.010 | mg/L | 07/11/2011 11:56 | KL | |
| Cadmium | 0.0056 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Chromium | 0.053 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Lead | 0.013 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 11:56 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Zinc | 0.27 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Vanadium | 0.13 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 11:56 | KL | |
| Nickel | 0.028 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Manganese | 1.1 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Copper | 0.033 | 0.0020 | mg/L | 07/11/2011 11:56 | KL | |
| Beryllium | 0.0014 | 0.0010 | mg/L | 07/11/2011 11:56 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 11:56 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

(8) 1080110701-08

Date Collected: 07/01/2011 13:00 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.011 | 0.0050 | mg/L | 07/11/2011 12:00 | KL | |
| Barium | 0.24 | 0.010 | mg/L | 07/11/2011 12:00 | KL | |
| Cadmium | 0.0022 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Chromium | 0.091 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Lead | 0.0062 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 12:00 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Zinc | 1.4 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Vanadium | 0.040 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 12:00 | KL | |
| Nickel | 0.021 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Manganese | 3.3 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Copper | 0.042 | 0.0020 | mg/L | 07/11/2011 12:00 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 12:00 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 12:00 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Date Received: 07/05/2011 17:36

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(9) 1080110701-09

Date Collected: 07/01/2011 14:05 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.018 | 0.0050 | mg/L | 07/11/2011 12:04 | KL | |
| Barium | 1.5 | 0.010 | mg/L | 07/11/2011 12:04 | KL | |
| Cadmium | 0.046 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Chromium | 0.12 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Lead | 0.043 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 12:04 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Zinc | 7.1 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Vanadium | 0.20 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 12:04 | KL | |
| Nickel | 0.11 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Manganese | 2.8 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Copper | 0.22 | 0.0020 | mg/L | 07/11/2011 12:04 | KL | |
| Beryllium | 0.0025 | 0.0010 | mg/L | 07/11/2011 12:04 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 12:04 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

(10) 1080110701-10

Date Collected: 07/01/2011 14:10 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.083 | 0.0050 | mg/L | 07/11/2011 12:07 | KL | |
| Barium | 0.11 | 0.010 | mg/L | 07/11/2011 12:07 | KL | |
| Cadmium | ND | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Chromium | 0.0074 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Lead | 0.012 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 12:07 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Zinc | 1.4 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Vanadium | 0.073 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 12:07 | KL | |
| Nickel | 0.21 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Manganese | 0.072 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Copper | 0.018 | 0.0020 | mg/L | 07/11/2011 12:07 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 12:07 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 12:07 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Date Received: 07/05/2011 17:36

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

| Parameter | Result | DL | Units | Completed | By | Dilution |
|-----------|--------|----|-------|-----------|----|----------|
|-----------|--------|----|-------|-----------|----|----------|

(11) 1080110701-11

Date Collected: 07/01/2011 14:55 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | ND | 0.0050 | mg/L | 07/11/2011 12:11 | KL | |
| Barium | 0.037 | 0.010 | mg/L | 07/11/2011 12:11 | KL | |
| Cadmium | ND | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Chromium | 0.0046 | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Lead | ND | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 12:11 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Zinc | 0.47 | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Vanadium | ND | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 12:11 | KL | |
| Nickel | 0.015 | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Manganese | 0.32 | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Copper | 0.015 | 0.0020 | mg/L | 07/11/2011 12:11 | KL | |
| Beryllium | ND | 0.0010 | mg/L | 07/11/2011 12:11 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 12:11 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

(12) 1080110701-12

Date Collected: 07/01/2011 15:30 **Matrix: Aqueous**

Trace Metals by 6010B

| | | | | | | |
|-------------------------------|--------|---------|------|------------------|----|--|
| Arsenic | 0.021 | 0.0050 | mg/L | 07/11/2011 12:14 | KL | |
| Barium | 4.2 | 0.010 | mg/L | 07/11/2011 12:14 | KL | |
| Cadmium | 0.0085 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Chromium | 0.093 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Lead | 0.052 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Selenium | ND | 0.0050 | mg/L | 07/11/2011 12:14 | KL | |
| Silver | ND | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Zinc | 0.44 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Vanadium | 0.14 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Thallium | ND | 0.0050 | mg/L | 07/11/2011 12:14 | KL | |
| Nickel | 0.085 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Manganese | 9.8 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Copper | 0.12 | 0.0020 | mg/L | 07/11/2011 12:14 | KL | |
| Beryllium | 0.0056 | 0.0010 | mg/L | 07/11/2011 12:14 | KL | |
| Antimony | ND | 0.0030 | mg/L | 07/11/2011 12:14 | KL | |
| Mercury by SW-846 7470A in GW | ND | 0.00020 | mg/L | 07/07/2011 11:50 | KL | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 1
 Sample Description: 1080110701-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 08:20
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 11:29 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32812.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 1
 Sample Description: 1080110701-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 08:20
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 11:29 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32812.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 52% | 10%-118% |
| 2-Fluorobiphenyl | 31% | 10%-102% |
| 2-Fluorophenol | 14% | 10%-61% |
| 4-Terphenyl-d14 | 69% | 10%-117% |
| Nitrobenzene-d5 | 32% | 10%-104% |
| Phenol-d6 | 10% | 10%-44% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 1
 Sample Description: 1080110701-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 08:20
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 16:27 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20827.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 1
 Sample Description: 1080110701-01

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 08:20
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 16:27 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20827.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Bromofluorobenzene | 98% | 92%-110% | |
| Toluene-d8 | 104% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 2
 Sample Description: 1080110701-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:10
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 11:58 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32813.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 2
 Sample Description: 1080110701-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:10
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 11:58 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32813.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 59% | 10%-118% | |
| 2-Fluorobiphenyl | 38% | 10%-102% | |
| 2-Fluorophenol | 17% | 10%-61% | |
| 4-Terphenyl-d14 | 62% | 10%-117% | |
| Nitrobenzene-d5 | 36% | 10%-104% | |
| Phenol-d6 | 12% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 2
 Sample Description: 1080110701-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:10
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 16:50 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20828.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 2
 Sample Description: 1080110701-02

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:10
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 16:50 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20828.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 108% | 88%-111% | |
| Bromofluorobenzene | 99% | 92%-110% | |
| Toluene-d8 | 106% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 3
 Sample Description: 1080110701-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:20
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/08/2011 16:20 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32844.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 3
 Sample Description: 1080110701-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:20
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/08/2011 16:20 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32844.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 63% | 10%-118% | |
| 2-Fluorobiphenyl | 59% | 10%-102% | |
| 2-Fluorophenol | 31% | 10%-61% | |
| 4-Terphenyl-d14 | 69% | 10%-117% | |
| Nitrobenzene-d5 | 61% | 10%-104% | |
| Phenol-d6 | 20% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 3
 Sample Description: 1080110701-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:20
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 17:13 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20829.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 3
 Sample Description: 1080110701-03

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 09:20
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 17:13 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20829.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 109% | 88%-111% | |
| Bromofluorobenzene | 100% | 92%-110% | |
| Toluene-d8 | 107% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 4
 Sample Description: 1080110701-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 10:52
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/08/2011 16:49 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32845.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 4
 Sample Description: 1080110701-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 10:52
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/08/2011 16:49 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32845.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | 26 | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 76% | 10%-118% |
| 2-Fluorobiphenyl | 60% | 10%-102% |
| 2-Fluorophenol | 1.7% | 10%-61% |
| 4-Terphenyl-d14 | 69% | 10%-117% |
| Nitrobenzene-d5 | 51% | 10%-104% |
| Phenol-d6 | 17% | 10%-44% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 4
 Sample Description: 1080110701-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 10:52
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 17:36 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20830.D;Q20854.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | 32 | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | 11 | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | 2.7 | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 24 | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.9 | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 4
 Sample Description: 1080110701-04

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 10:52
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 17:36 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20830.D;Q20854.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 9300 | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 140 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 6.2 | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | 63 | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | 59 | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | 820 | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 310 | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 120 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 12000 | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 26000 | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 110% | 88%-111% | |
| Bromofluorobenzene | 95% | 92%-110% | |
| Toluene-d8 | 92% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 5
 Sample Description: 1080110701-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:00
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 12:26 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32814.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 5
 Sample Description: 1080110701-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:00
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 12:26 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32814.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 72% | 10%-118% | |
| 2-Fluorobiphenyl | 56% | 10%-102% | |
| 2-Fluorophenol | 28% | 10%-61% | |
| 4-Terphenyl-d14 | 72% | 10%-117% | |
| Nitrobenzene-d5 | 60% | 10%-104% | |
| Phenol-d6 | 19% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 5
 Sample Description: 1080110701-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:00
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 16:00 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20849.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 5
 Sample Description: 1080110701-05

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:00
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 16:00 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20849.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Bromofluorobenzene | 96% | 92%-110% | |
| Toluene-d8 | 107% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 6
 Sample Description: 1080110701-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:15
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 12:55 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32815.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 6
 Sample Description: 1080110701-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:15
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 12:55 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32815.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | ND | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | 1.0 | 1.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 84% | 10%-118% | |
| 2-Fluorobiphenyl | 57% | 10%-102% | |
| 2-Fluorophenol | 31% | 10%-61% | |
| 4-Terphenyl-d14 | 71% | 10%-117% | |
| Nitrobenzene-d5 | 63% | 10%-104% | |
| Phenol-d6 | 20% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 6
 Sample Description: 1080110701-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:15
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 16:23 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20850.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 6
 Sample Description: 1080110701-06

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 11:15
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 16:23 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20850.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Bromofluorobenzene | 98% | 92%-110% | |
| Toluene-d8 | 106% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 7
 Sample Description: 1080110701-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 12:55
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 15:18 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32820.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 50 | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 7
 Sample Description: 1080110701-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 12:55
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 15:18 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32820.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 6.5 | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | 28 | 10 | ug/L |
| 91-20-3 | Naphthalene | 65 | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 88% | 10%-118% |
| 2-Fluorobiphenyl | 61% | 10%-102% |
| 2-Fluorophenol | 9.4% | 10%-61% |
| 4-Terphenyl-d14 | 84% | 10%-117% |
| Nitrobenzene-d5 | 63% | 10%-104% |
| Phenol-d6 | 24% | 10%-44% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 7
 Sample Description: 1080110701-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 12:55
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 19:55 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20836.D;Q20856.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | 9.2 | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | 9.3 | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 7
 Sample Description: 1080110701-07

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 12:55
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 19:55 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20836.D;Q20856.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 5600 | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 90 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 52 | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | 180 | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | 91 | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | 520 | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 930 | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 380 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 7800 | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 17000 | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 110% | 88%-111% | |
| Bromofluorobenzene | 99% | 92%-110% | |
| Toluene-d8 | 94% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 8
 Sample Description: 1080110701-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 13:00
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 14:21 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32818.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 8
 Sample Description: 1080110701-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 13:00
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 14:21 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32818.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 82% | 10%-118% |
| 2-Fluorobiphenyl | 66% | 10%-102% |
| 2-Fluorophenol | 37% | 10%-61% |
| 4-Terphenyl-d14 | 76% | 10%-117% |
| Nitrobenzene-d5 | 77% | 10%-104% |
| Phenol-d6 | 24% | 10%-44% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 8
 Sample Description: 1080110701-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 13:00
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 16:46 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20851.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 8
 Sample Description: 1080110701-08

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 13:00
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 16:46 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20851.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 106% | 88%-111% | |
| Bromofluorobenzene | 99% | 92%-110% | |
| Toluene-d8 | 106% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 9
 Sample Description: 1080110701-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:05
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 16:16 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32822.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 24 | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 9
 Sample Description: 1080110701-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:05
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 16:16 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32822.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 6.4 | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | 62 | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 70% | 10%-118% | |
| 2-Fluorobiphenyl | 59% | 10%-102% | |
| 2-Fluorophenol | 6.4% | 10%-61% | |
| 4-Terphenyl-d14 | 84% | 10%-117% | |
| Nitrobenzene-d5 | 57% | 10%-104% | |
| Phenol-d6 | 19% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 9
 Sample Description: 1080110701-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:05
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 19:09 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20834.D;Q20855.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | 2.3 | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | 7.1 | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | 2.4 | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 8.5 | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 9
 Sample Description: 1080110701-09

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:05
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 19:09 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20834.D;Q20855.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 4400 | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 89 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 50 | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | 300 | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | 72 | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | 220 | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 810 | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 300 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 6600 | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 14000 | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 113% | 88%-111% | |
| Bromofluorobenzene | 104% | 92%-110% | |
| Toluene-d8 | 97% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 10
 Sample Description: 1080110701-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:10
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 13:24 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32816.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 10
 Sample Description: 1080110701-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:10
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 13:24 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32816.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 83% | 10%-118% | |
| 2-Fluorobiphenyl | 58% | 10%-102% | |
| 2-Fluorophenol | 29% | 10%-61% | |
| 4-Terphenyl-d14 | 78% | 10%-117% | |
| Nitrobenzene-d5 | 60% | 10%-104% | |
| Phenol-d6 | 20% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 10
 Sample Description: 1080110701-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:10
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 17:09 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20852.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 10
 Sample Description: 1080110701-10

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:10
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 17:09 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20852.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 1.8 | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.8 | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2.3 | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 2.2 | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 4.9 | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Bromofluorobenzene | 100% | 92%-110% | |
| Toluene-d8 | 105% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 11
 Sample Description: 1080110701-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:55
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 15:47 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32821.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 8.7 | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 11
 Sample Description: 1080110701-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:55
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 15:47 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32821.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | 12 | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.5 | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | |
|----------------------|----------|-----------|
| Surrogate | Recovery | QC Limits |
| 2,4,6-Tribromophenol | 84% | 10%-118% |
| 2-Fluorobiphenyl | 44% | 10%-102% |
| 2-Fluorophenol | 22% | 10%-61% |
| 4-Terphenyl-d14 | 86% | 10%-117% |
| Nitrobenzene-d5 | 42% | 10%-104% |
| Phenol-d6 | 14% | 10%-44% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 11
 Sample Description: 1080110701-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:55
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 20:18 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20837.D;Q20857.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | 10 | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 21 | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 4.8 | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 11
 Sample Description: 1080110701-11

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 14:55
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 20:18 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20837.D;Q20857.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 250 | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 27 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 18 | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | 32 | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | 42 | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | 1.1 | 1.0 | ug/L |
| 108-88-3 | Toluene | 11 | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.0 | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 500 | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 80 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 440 | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 540 | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 107% | 88%-111% | |
| Bromofluorobenzene | 99% | 92%-110% | |
| Toluene-d8 | 102% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 12
 Sample Description: 1080110701-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 15:30
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 13:52 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32817.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|-----------|-----------------------------|--------|------|-------|
| 103-33-3 | Azobenzene | ND | 5.0 | ug/L |
| 83-32-9 | Acenaphthene | ND | 5.0 | ug/L |
| 208-96-8 | Acenaphthylene | ND | 5.0 | ug/L |
| 62-53-3 | Aniline | ND | 10 | ug/L |
| 120-12-7 | Anthracene | ND | 5.0 | ug/L |
| 92-52-4 | Biphenyl | ND | 5.0 | ug/L |
| 56-55-3 | Benzo[a]anthracene | ND | 5.0 | ug/L |
| 50-32-8 | Benzo[a]pyrene | ND | 0.20 | ug/L |
| 205-99-2 | Benzo[b]fluoranthene | ND | 5.0 | ug/L |
| 191-24-2 | Benzo[g,h,i]perylene | ND | 5.0 | ug/L |
| 207-08-9 | Benzo[k]fluoranthene | ND | 5.0 | ug/L |
| 65-85-0 | Benzoic acid | ND | 25 | ug/L |
| 100-51-6 | Benzyl alcohol | ND | 10 | ug/L |
| 85-68-7 | Benzyl butyl phthalate | ND | 5.0 | ug/L |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | 5.0 | ug/L |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | 5.0 | ug/L |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | 10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | 5.0 | ug/L |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 5.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | 5.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | ND | 10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | ND | 5.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | ND | 5.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 5.0 | ug/L |
| 218-01-9 | Chrysene | ND | 5.0 | ug/L |
| 53-70-3 | Dibenz[a,h]anthracene | ND | 5.0 | ug/L |
| 84-74-2 | Di-n-butyl phthalate | ND | 5.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | ND | 5.0 | ug/L |
| 132-64-9 | Dibenzofuran | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | 5.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | ND | 5.0 | ug/L |
| 84-66-2 | Diethyl phthalate | ND | 5.0 | ug/L |
| 131-11-3 | Dimethyl phthalate | ND | 5.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | ND | 5.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | ND | 5.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 5.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 5.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 12
 Sample Description: 1080110701-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 15:30
 Date Received: 07/05/2011 17:36
 Date Extracted: 07/06/2011 09:00 By: DPR
 Date Analyzed: 07/07/2011 13:52 By: GMP
 Preparation Method: 3500
 Analytical Method: 8270C

Matrix: Aqueous
 Percent Moisture: N/A
 Sample Weight/Volume: 1000
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: L32817.D
 QC Batch#: 86243

| CAS No. | Parameter | Result | DL | Units |
|----------|----------------------------|--------|-----|-------|
| 206-44-0 | Fluoranthene | ND | 5.0 | ug/L |
| 86-73-7 | Fluorene | ND | 5.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 5.0 | ug/L |
| 67-72-1 | Hexachloroethane | ND | 5.0 | ug/L |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | 5.0 | ug/L |
| 78-59-1 | Isophorone | ND | 5.0 | ug/L |
| 534-52-1 | 2-Methyl-4,6-dinitrophenol | ND | 5.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | ND | 5.0 | ug/L |
| 95-48-7 | 2-Methylphenol | ND | 5.0 | ug/L |
| 108-39-4 | 3- & 4-Methylphenols | ND | 10 | ug/L |
| 91-20-3 | Naphthalene | ND | 5.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | ND | 10 | ug/L |
| 99-09-2 | 3-Nitroaniline | ND | 10 | ug/L |
| 100-01-6 | 4-Nitroaniline | ND | 10 | ug/L |
| 98-95-3 | Nitrobenzene | ND | 5.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | ND | 5.0 | ug/L |
| 100-02-1 | 4-Nitrophenol | ND | 5.0 | ug/L |
| 621-64-7 | N-Nitrosodi-n-propylamine | ND | 5.0 | ug/L |
| 62-75-9 | N-Nitrosodimethylamine | ND | 5.0 | ug/L |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 5.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.0 | 1.0 | ug/L |
| 85-01-8 | Phenanthrene | ND | 5.0 | ug/L |
| 108-95-2 | Phenol | ND | 5.0 | ug/L |
| 129-00-0 | Pyrene | ND | 5.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 5.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 5.0 | ug/L |

| Sample QC | | | |
|----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 2,4,6-Tribromophenol | 78% | 10%-118% | |
| 2-Fluorobiphenyl | 68% | 10%-102% | |
| 2-Fluorophenol | 38% | 10%-61% | |
| 4-Terphenyl-d14 | 76% | 10%-117% | |
| Nitrobenzene-d5 | 79% | 10%-104% | |
| Phenol-d6 | 24% | 10%-44% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 12
 Sample Description: 1080110701-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 15:30
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 17:32 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20853.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 12
 Sample Description: 1080110701-12

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 15:30
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/07/2011 17:32 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20853.D
 QC Batch#: 86244

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 2.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 109% | 88%-111% | |
| Bromofluorobenzene | 98% | 92%-110% | |
| Toluene-d8 | 105% | 90%-118% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 13
 Sample Description: 1080110701-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 15:45
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 16:04 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20826.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | 1.1 | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.050 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E107161
 Sample No: 13
 Sample Description: 1080110701-13

Customer: Fuss & O'Neill
 Project: 20091532.A20/ Color and Chem

Date Collected: 07/01/2011 15:45
 Date Received: 07/05/2011 17:36
 Date Analyzed: 07/06/2011 16:04 By: GMP
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q20826.D
 QC Batch#: 86200

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 104% | 88%-111% | |
| Bromofluorobenzene | 97% | 92%-110% | |
| Toluene-d8 | 106% | 90%-118% | |



FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201
- 78 Interstate Drive, West Springfield, MA 01089

- 50 Redford Street, Suite 100, Boston, MA 02122
- 245 Providence Street, Suite 350, Providence, RI 02908
- 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 22057

Turnaround

- 1 Day* 3 Days* Other _____ (days)
- 2 Days* Standard (____ days) *Surcharge Applies

PROJECT NAME: Waste socket color + chemical PROJECT LOCATION: Waste socket RI PROJECT NUMBER: 20041532.AZO LABORATORY: Premier

REPORT TO: Pet Newbury pdnewbury@pendon.com
 INVOICE TO: Cynthia Guzman@pendon.com
 P.O. NO.: 108020041532.AZO

Sampler's Signature: [Signature] Date: 7/1/11

Source Codes: MW=Monitoring Well PW=Potable Water S=Soil W=Waste
 SW=Surface Water T=Treatment Facility B=Sediment A=Air

| Analysis Request | Containers |
|------------------------|--|
| VOC - 826C | Soil VOA Vial [] methanol |
| SVOC - 827C | Glass Soil Container [] water [] Na(OH) |
| LE METALS - 6010/747GA | Other: Water VOA Vial [] As is [] HCl |
| | Glass Amber (200) ml [] As is [] HCl |
| | Plastic - As is [] 250 ml [] 500 ml |
| | Plastic - H ₂ SO ₄ [] 250 ml [] 500 ml |
| | Plastic - HNO ₃ [] 250 ml [] 500 ml |
| | Plastic - NaOH, 250 ml [] Unfiltered |

| Transfer Check | Item No. | Sample Number | Source Code | Date Sampled | Time Sampled | Comments |
|----------------|----------|---------------|-------------|--------------|--------------|----------|
| 1 ✓ | | 1080110701-01 | MW | 7/1/11 | 920 | |
| 2 | | -02 | | | 910 | |
| 3 | | -03 | | | 920 | |
| 4 | | -04 | | | 1052 | |
| 5 | | -05 | | | 1100 | |
| 6 | | -06 | | | 1115 | |
| 7 | | -07 | | | 1255 | |
| 8 | | -08 | | | 1300 | |
| 9 | | -09 | | | 1405 | |
| 10 | | -10 | | | 1410 | |

| Transfer Number | Relinquished By | Accepted By | Date | Time | Reporting and Detection Limit Requirements: |
|-----------------|--------------------|--------------------|---------|-------|---|
| 1 | <u>[Signature]</u> | <u>Eric Fridge</u> | 7/1/11 | 1630 | RIDEM GA-60 |
| 2 | <u>[Signature]</u> | <u>[Signature]</u> | 7/5/11 | 1550 | |
| 3 | <u>[Signature]</u> | <u>[Signature]</u> | 7/5/11 | 15:50 | |
| 4 | <u>[Signature]</u> | <u>[Signature]</u> | 7/10/11 | 17:30 | |

Additional Comments: please see attached memo/checklist

(2/10)



FUSS & O'NEILL

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201
- 78 Interstate Drive, West Springfield, MA 01089

- 50 Redfield Street, Suite 100, Boston, MA 02122
- 275 Beaconside Street, Suite 350, Providence, RI 02908
- 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 22070

Turnaround

- 1 Day* 3 Days* Other _____ (days)
- 2 Days* Standard (____ days) *Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

REPORT TO: *West Quinary petrochemical plant RI*

2009 1532 A20

premier

INVOICE TO: *Lyndon Brienwiese, RIDEM*

Analysis Request

P.O. No.: *108020091532 A20*

Sampler's Signature: *Paul H M* Date: *7/1/11*

Source Codes: MW=Monitoring Well S=Soil W=Waste
 SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other *w.p. blank*

| | | | | | | | | | | |
|----------------------------|-------------------------|-----------------------------|-----------------------------|-------|----------------------------------|--|--|--|---|----------|
| Soil VOA Vol. [] methanol | Soil VOA Vol. [] water | Glass Soil Container () oz | Glass Soil Container () oz | Other | Water VOA Vol. [] As is [] HCl | Glass Amber (cc.) ml [] As is [] HCl | Plastic - As is, [] 250 ml [] 500 ml | Plastic - H ₂ SO ₄ , [] 250 ml [] 500 ml | Plastic - HNO ₃ , 250 ml [] Filtered [] Unfiltered | Comments |
|----------------------------|-------------------------|-----------------------------|-----------------------------|-------|----------------------------------|--|--|--|---|----------|

| Item No. | Transfer Check | 1 | 2 | 3 | 4 | Sample Number | Source Code | Date Sampled | Time Sampled |
|----------|----------------|---|---|---|---|---------------|-------------|--------------|--------------|
| 11 | ✓ | | | | | 10SUNGT01-11 | MW | 7/1/11 | 1455 |
| 12 | ↓ | | | | | -12 | ↓ | ↓ | 1530 |
| 13 | ↓ | | | | | -13 | X | ↓ | 1545 |

| Transfer Number | Relinquished By | Accepted By | Date | Time | Reporting and Detection Limit Requirements: |
|-----------------|-----------------|-----------------|--------|------|---|
| 1 | <i>Paul H M</i> | <i>Paul H M</i> | 7/1/11 | 1455 | RIDEM CA-CO |
| 2 | <i>Paul H M</i> | <i>Paul H M</i> | 7/1/11 | 1530 | |
| 3 | <i>Paul H M</i> | <i>Paul H M</i> | 7/1/11 | 1545 | |
| 4 | <i>Paul H M</i> | <i>Paul H M</i> | 7/1/11 | 1730 | |

Additional Comments: *please see attached memo / checklist*

3.7c



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECT IN RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?***

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|-------------------------------------|-------------------------------------|-----------------|
| 1. SDG Project Narratives | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 2. Traffic Report | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| 3. Volatiles Data | | | |
| a. Sample Data | | | |
| Target Compound List (TCL) Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Reconstructed total ion chromatograms (RIC) for each sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of target compounds identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Mass spectra of all reported TICs with three best library matches | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Percent solids calculations | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| b. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Internal Standard Area Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| c. Raw QC Data | | | |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| 4. Semivolatiles Data | | | |
| a. QC Summary | | | |
| Surrogate Percent Recovery Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| MS/MSD Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Method Blank Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Tuning and Mass Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECT IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS?*

| | YES | NO | COMMENTS |
|--|-------------------------------------|--------------------------|----------|
| b. Sample Data | | | |
| TCL Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Tentatively Identified Compounds | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Reconstructed total ion chromatograms (RIC) for each Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of TCL compounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Mass spectra of TICs with 3 best library matches | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| GPC chromatograms (if GPC performed) | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| c. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| d. Raw QC Data | | | |
| Decafluorotriphenylphosphine (DFTPP) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| 5. Miscellaneous Data | | | |
| Original preparation and analysis forms or copies of preparation and analysis log book pages | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Internal sample & sample extract transfer chain-of-custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Screening Records | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| All instrument output, including strip charts from screening activities (describe or list) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECT IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS? **

| | YES | NO | COMMENTS |
|--|-------------------------------------|--------------------------|----------|
| 6. Chain-of-Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-in Sheet (Lab & DC1) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Miscellaneous Shipping/Receiving Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 8. Other Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 9. Comments: | | | _____ |
| _____ | | | |
| _____ | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: Montgomery Lisa Montgomery 9/9/11
 (Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Montgomery Lisa Montgomery 9/9/11
 (Lab) (Signature) (Printed Name/Title) Date



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECT IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
INORGANIC COMPOUNDS

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS:**

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|-------------------------------------|-------------------------------------|------------------|
| 1. SDG Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Inorganic Analysis Data Sheet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 3. Initial and Continuing Calibration Verification | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. CRDL Standard for AA and ICP | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 5. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 6. ICP Interference Check Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 7. Spike Sample Recovery | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 8. Post Digest Spike Sample Recovery | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 9. Duplicates | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 10. Laboratory Control Sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 11. Standard Addition Results | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 12. ICP Serial Dilutions | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 13. Instrument Detection Limits, Quarterly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Annual |
| 14. ICP Interelement Correction Factors, Annually | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 15. ICP Linear Ranges Quarterly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 16. Preparation Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 17. Analysis Run Log | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 18. ICP Raw Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 19. Furnace AA Raw Data | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 20. Mercury Raw Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 21. Percent Solids Calculations | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 22. Digestion Logs | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 23. EPA Shipping/Receiving Records (List all individual records) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | LIMS - KL 8/9/11 |
| Sample Log-In sheet | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | LIMS |
| 24. Miscellaneous Shipping/Receiving Records (List all individual records) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | | | |
| | | | |
| | | | |



E107161

INITIAL DATE: JULY 2007
REVISION DATE: JULY 2007
REVISION: 0.0

GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECT IN RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
INORGANIC COMPOUNDS
(Continued)

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS:**

| | YES | NO | COMMENTS |
|---|-------------------------------------|-------------------------------------|------------|
| 25. Internal Lab Sample Transfer Records and Tracking Sheets (Describe or List) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |
| 26. Internal Original Sample Preparation and analysis Records (Describe or List) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Preparation Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | logbook |
| Analysis Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | electronic |
| Description | <input type="checkbox"/> | <input type="checkbox"/> | |
| 27. Other Records (Describe or List) | | | |
| 28. Comments: | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: K. Laliberte K. Laliberte 08-08-11
(Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Montgomery Lisa Montgomery 9/2/11
(Lab) (Signature) (Printed Name/Title) Date



**Modified Tier II
Data Validation Narrative**

Project: 20091532A30, Woonsocket Color and Chemical

| | |
|---|------------------|
| Premier Laboratory Project Number: | E304O13 |
| Date Samples Received at Laboratory: | April 30, 2013 |
| Date of Review: | December 4, 2013 |

Twenty-five soil samples, including one duplicate sample, were collected and submitted to Premier Laboratory, Inc. (Premier). The samples were analyzed for the following analytes using the designated methods:

- Volatile organic compounds (VOC) by the United States Environmental Protection Agency (USEPA) Method 8260.
- Total petroleum hydrocarbons (TPH) by USEPA Method 8100.

In addition, four laboratory-supplied trip blanks, including two methanol-preserved and two hydrochloric acid-preserved trip blanks, were submitted for analysis of VOC by USEPA Method 8260. Dedicated sampling equipment was utilized, so equipment blanks and field blanks were not collected during these sampling activities.

No compounds were detected in the trip blanks at concentrations exceeding laboratory detection limits. Samples were received by the laboratory at 2.8 degrees Celsius, and all samples were analyzed within the method-specific holding times.

As documented in the case narrative included in the analytical report, the following non-conformances were identified during analysis of these samples:

- Surrogate compounds added to two samples (841130426-06 and -07) during analysis of TPH were effectively unrecoverable due to the high dilution required for the samples.
- Recovery of a surrogate compound added to one sample (841130426-08) during analysis of TPH was above quality control limits due to matrix interference, suggesting high bias for the corresponding TPH results.

The concentrations of TPH in samples 841130426-06, -07, and -08 were at least approximately 2 times higher than applicable regulatory criteria. Additionally, field evidence of petroleum contamination was observed in these samples and the corresponding soil borings. For these reasons, the lack of surrogate data or potential high bias for these samples was not expected to affect the usability of the corresponding TPH data, as conclusions regarding the presence or absence of petroleum contamination in these samples were able to be made.

Relative percent differences (RPDs) calculated using data for the primary and duplicate samples were less than the 50% maximum goal for analytical precision except for RPDs of 98% for TPH, 57% for 1,2-dichlorobenzene, and 106% for n-propylbenzene. The elevated RPDs may be related to sample heterogeneity or propagation of reduced precision via serial dilutions of the samples which were required as a result of elevated concentrations of target compounds. The concentrations of TPH and VOC (specifically ethylbenzene and total xylenes) in both the primary and duplicate samples exceeded the RIDEM Method 1 R-DEC, and therefore, a lack of analytical precision related to other



target compounds does not affect the conclusions relative to compliance of site soil with applicable criteria.

Analytical results for the soil samples were compared to the Method 1 Residential Exposure Criteria (R-DEC), Industrial/Commercial Direct Exposure Criteria (I/C-DEC), and GB Leachability Criteria (GB-LC) promulgated by the Rhode Island Department of Environmental Management. Detection limits were low enough to allow direct comparison to these criteria, with a few exceptions mentioned in the *Site Investigation Report/Targeted Brownfield Assessment*.



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
MODIFIED TIER I COMPLETENESS CHECKLIST**

| | <u>YES</u> | <u>NO</u> |
|---|-------------------------------------|------------------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | |
| Field measurement calibration records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Groundwater field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> <i>NR</i> |
| Soil sampling field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sediment sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> <i>NR</i> |
| Surface water sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> <i>g</i> |
| Low-flow sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> <i>↓</i> |
| Documentation of field activities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample numbering and labeling | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicate samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> <i>NR</i> |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> <i>↓</i> |
| 2. LABORATORY MEASUREMENTS: | | |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Instrument blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Laboratory control samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicates samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> <i>NR</i> |
| Matrix spike/matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> <i>↓</i> |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Surrogate recoveries | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> <i>NR</i> |

TOTAL: 15 0

PERCENT COMPLETE: 100 %

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?**

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | | |
| Field measurement calibration records | | | |
| pH - ± 0.3 pH units | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| S.C. - ± 5% of calibration solution, within? calibration range | <input type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 0.5 °C | <input type="checkbox"/> | <input type="checkbox"/> | |
| D.O. - ± 5% of calibration solution | <input type="checkbox"/> | <input type="checkbox"/> | |
| Groundwater field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Soil sampling field measurements (if applicable) | | | |
| OVM - ± 2 ppm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| OVA - ± 2 ppm | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Sediment sampling field measurements (if applicable) | | | |
| Descriptive information recorded? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Surface water sampling field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Low-flow sampling field measurements (if applicable) | | | |
| S.C. - ± 10% | <input type="checkbox"/> | <input type="checkbox"/> | |
| pH - ± 0.2 pH units | <input type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 10% | <input type="checkbox"/> | <input type="checkbox"/> | |
| Turbidity - ±5 NTU | <input type="checkbox"/> | <input type="checkbox"/> | |
| Documentation of field activities | | | |
| Site-specific information documented in field notebook? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Field data sheets completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample numbering and labeling | | | |
| Sample numbering conforms to sample I.D. system identified in QAPP? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | | | |
| Chain-of-Custody forms completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST
 (Continued)**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?**

| | YES | NO | COMMENTS |
|--|-------------------------------------|-------------------------------------|---|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Any compounds detected in trip blanks? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| Duplicate samples | | | |
| Field duplicates performed, 1/20 samples? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Duplicates performed on 10% of samples screened for explosives? | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>N/A</u> |
| Is percent difference within 30% for all field parameters? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ <u>1,2-dichlorobenzene (57%)</u> <u>n-propylbenzene (106%)</u> <u>TPH (98%)</u> |
| Equipment blanks | | | |
| Equipment blanks submitted, one per sampling day? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ <u>N/A</u> |
| Any compounds detected in equipment blank? | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Split samples (if any) | | | |
| Split samples collected? | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Is percent difference within 30% for split samples? | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

2. LABORATORY MEASUREMENTS:

| | | | |
|--|-------------------------------------|-------------------------------------|------------------|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Any compounds detected in trip blanks? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| Instrument blanks** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ <u>N/A</u> |
| Laboratory control samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Duplicates samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Equipment blanks** | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>N/A</u> |
| Matrix spike/matrix spike duplicates** | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>↓</u> |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Surrogate recoveries** | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Split samples (if any)** | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>N/A</u> |
| Most recent EPA WP-PE sample results** | <input type="checkbox"/> | <input type="checkbox"/> | _____ <u>↓</u> |

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill, Inc.
317 Iron Horse Way
Suite 204
Providence, RI 02908
Attn: Pat Dowling

Report Number: E304O13
Project: 20091532.A30/ Color and Chem

Received Date: 04/30/2013
Report Date: 05/08/2013



Premier Laboratory, Inc
Authorized Signature



CT DPH #PH-0465
NJ DEP #CT007

EPA #CT00008
NY ELAP #11549

MA DEP #M-CT008
PA DEP #68-04413

ME DHHS #CT0050
RI DOH #LAO00300

NH ELAP #2020
VT DOH #VT11549



101-000000372217

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E304O13
Client: Fuss & O'Neill
Project: 20091532.A30/ Color and Chem

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included, along with a copy of the chain of custody and any subcontracted analyses reports, if applicable, for the sample(s) in this report. Subcontractor results are identified by 'SUB' next to the analysis.

Premier Laboratory, Inc received 26 samples from Fuss & O'Neill on 04/30/2013. The samples were analyzed for the following list of analyses in accordance with RI DOH regulations unless otherwise indicated:

TPH by 8100M (Itemized)
8100[8100]

Volatiles by 8260B Methanol Preserved in SW
8260B[Methanol Preserved]

Volatiles by 8260B (GA/GW-1/S-1)
8260B

**Non-Conformances:
Work Order:**

None

Sample:

None

Analysis:

Sample 6A, 841130426-06, TPH by SW-846 8100 M (Itemized): The sample required a dilution which effectively diluted out the surrogate components.

Sample 7A, 841130426-07, TPH by SW-846 8100 M (Itemized): The sample required a dilution which effectively diluted out the surrogate components.

Sample 8A, 841130426-08, TPH by SW-846 8100 M (Itemized): One surrogate spike was elevated outside quality control limits for the sample due to matrix interference.

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 1
 Sample Description: 841130426-01

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 09:40 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 13
 Sample Weight/Volume: 10.07
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050327.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 11 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 200 | 11 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 230 | 11 | mg/kg |
| | Total PHC | 430 | 11 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 40% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 1
 Sample Description: 841130426-01

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:10
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 13:31 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 13
 Dilution Factor: 1
 Lab Data File: Q32744.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 30 | 9.7 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 4.8 | ug/kg |
| 71-43-2 | Benzene | ND | 4.8 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 4.8 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 4.8 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 4.8 | ug/kg |
| 75-25-2 | Bromoform | ND | 4.8 | ug/kg |
| 74-83-9 | Bromomethane | ND | 4.8 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 9.7 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 4.8 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 4.8 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 4.8 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 4.8 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 4.8 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 4.8 | ug/kg |
| 75-00-3 | Chloroethane | ND | 4.8 | ug/kg |
| 67-66-3 | Chloroform | ND | 4.8 | ug/kg |
| 74-87-3 | Chloromethane | ND | 4.8 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 4.8 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 4.8 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 4.8 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 4.8 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 4.8 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 4.8 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 4.8 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 4.8 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 4.8 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 4.8 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 4.8 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 4.8 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 4.8 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 4.8 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 4.8 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 4.8 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 4.8 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 4.8 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 4.8 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 4.8 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 4.8 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 4.8 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 1
 Sample Description: 841130426-01

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:10
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 13:31 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 13
 Dilution Factor: 1
 Lab Data File: Q32744.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 19 | ug/kg |
| 100-41-4 | Ethylbenzene | 6.4 | 4.8 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 4.8 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 9.7 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 4.8 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 4.8 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 4.8 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 9.7 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 4.8 | ug/kg |
| 91-20-3 | Naphthalene | ND | 4.8 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 4.8 | ug/kg |
| 100-42-5 | Styrene | ND | 4.8 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 4.8 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 4.8 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 4.8 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 4.8 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 4.8 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 4.8 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 4.8 | ug/kg |
| 108-88-3 | Toluene | ND | 4.8 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 4.8 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 4.8 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 4.8 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 4.8 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 4.8 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 4.8 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 4.8 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 4.8 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 4.8 | ug/kg |
| 95-47-6 | o-Xylene | 5.3 | 4.8 | ug/kg |
| 108-38-3 | m,p-Xylenes | 21 | 9.7 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 101% | 82%-120% | |
| Bromofluorobenzene | 100% | 70%-122% | |
| Toluene-d8 | 103% | 77%-126% | |
| Dibromofluoromethane | 102% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 2
 Sample Description: 841130426-02

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/07/2013 05:24 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 20
 Sample Weight/Volume: 10.09
 Dilution Factor: 4
 Extract Volume: 1
 Lab Data File: 6050623.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 50 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 2600 | 50 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 50 | mg/kg |
| | Total PHC | 2600 | 50 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 76% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 2
 Sample Description: 841130426-02

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 01:32 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 20
 Sample Weight/Volume: 11.03
 Dilution Factor: 500
 Extract Volume: 12.206
 Lab Data File: Q32774.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 14000 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 17000 | ug/kg |
| 71-43-2 | Benzene | ND | 3400 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 3400 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 3400 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 3400 | ug/kg |
| 75-25-2 | Bromoform | ND | 3400 | ug/kg |
| 74-83-9 | Bromomethane | ND | 3400 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 6900 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 3400 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 3400 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 3400 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 3400 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 3400 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 3400 | ug/kg |
| 75-00-3 | Chloroethane | ND | 3400 | ug/kg |
| 67-66-3 | Chloroform | ND | 3400 | ug/kg |
| 74-87-3 | Chloromethane | ND | 3400 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 3400 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 3400 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3400 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 3400 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 3400 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 3400 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | 8100 | 3400 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 3400 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 3400 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 3400 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 3400 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 3400 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 3400 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 3400 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 3400 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 3400 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 3400 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 3400 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 3400 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 3400 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 3400 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 6900 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 2
 Sample Description: 841130426-02

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 01:32 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 20
 Sample Weight/Volume: 11.03
 Dilution Factor: 500
 Extract Volume: 12.206
 Lab Data File: Q32774.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 34000 | ug/kg |
| 100-41-4 | Ethylbenzene | 28000 | 3400 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 3400 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 6900 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 3400 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 3400 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 3400 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 6900 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 3400 | ug/kg |
| 91-20-3 | Naphthalene | ND | 3400 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 3400 | ug/kg |
| 100-42-5 | Styrene | ND | 3400 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 3400 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 3400 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 3400 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 3400 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 3400 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 3400 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 3400 | ug/kg |
| 108-88-3 | Toluene | ND | 3400 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 3400 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 3400 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 3400 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 3400 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 3400 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 3400 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 5000 | 3400 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 3400 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 3400 | ug/kg |
| 95-47-6 | o-Xylene | 30000 | 3400 | ug/kg |
| 108-38-3 | m,p-Xylenes | 95000 | 6900 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 100% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 4
 Sample Description: 841130426-04

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/06/2013 16:39 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.07
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050606.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 72% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 4
 Sample Description: 841130426-04

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 01:55 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 11.85
 Dilution Factor: 50
 Extract Volume: 12.59515
 Lab Data File: Q32775.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1400 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 1700 | ug/kg |
| 71-43-2 | Benzene | ND | 340 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 340 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 340 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 340 | ug/kg |
| 75-25-2 | Bromoform | ND | 340 | ug/kg |
| 74-83-9 | Bromomethane | ND | 340 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 680 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 340 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 340 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 340 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 340 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 340 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 340 | ug/kg |
| 75-00-3 | Chloroethane | ND | 340 | ug/kg |
| 67-66-3 | Chloroform | ND | 340 | ug/kg |
| 74-87-3 | Chloromethane | ND | 340 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 340 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 340 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 340 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 340 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 340 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 340 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 340 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 340 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 340 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 340 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 340 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 340 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 340 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 340 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 340 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 340 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 340 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 340 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 340 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 340 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 340 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 680 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 4
 Sample Description: 841130426-04

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 09:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 01:55 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 11.85
 Dilution Factor: 50
 Extract Volume: 12.59515
 Lab Data File: Q32775.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3400 | ug/kg |
| 100-41-4 | Ethylbenzene | 5300 | 340 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 340 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 680 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 340 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 340 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 340 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 680 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 340 | ug/kg |
| 91-20-3 | Naphthalene | ND | 340 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 340 | ug/kg |
| 100-42-5 | Styrene | ND | 340 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 340 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 340 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 340 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 340 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 340 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 340 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 340 | ug/kg |
| 108-88-3 | Toluene | ND | 340 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 340 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 340 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 340 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 340 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 340 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 340 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 340 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 340 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 340 | ug/kg |
| 95-47-6 | o-Xylene | 4100 | 340 | ug/kg |
| 108-38-3 | m,p-Xylenes | 18000 | 680 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 101% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 100% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 6
 Sample Description: 841130426-06

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 10:50
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 11:52 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.05
 Dilution Factor: 10
 Extract Volume: 1
 Lab Data File: 6050330.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|-----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 130 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 9600 | 130 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 130 | mg/kg |
| | Total PHC | 9600 | 130 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | D | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 6
 Sample Description: 841130426-06

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 10:50
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 02:18 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.45
 Dilution Factor: 50
 Extract Volume: 12.20495
 Lab Data File: Q32776.D,Q32812.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1500 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 1800 | ug/kg |
| 71-43-2 | Benzene | ND | 370 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 370 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 370 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 370 | ug/kg |
| 75-25-2 | Bromoform | ND | 370 | ug/kg |
| 74-83-9 | Bromomethane | ND | 370 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 740 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 370 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 370 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 370 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 370 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 370 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 370 | ug/kg |
| 75-00-3 | Chloroethane | ND | 370 | ug/kg |
| 67-66-3 | Chloroform | ND | 370 | ug/kg |
| 74-87-3 | Chloromethane | ND | 370 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 370 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 370 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 370 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 370 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 370 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 370 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | 2700 | 370 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 370 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 370 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 370 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 370 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 370 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 370 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 370 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 370 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 370 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 370 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 370 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 370 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 370 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 370 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 740 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 6
 Sample Description: 841130426-06

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 10:50
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 02:18 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.45
 Dilution Factor: 50
 Extract Volume: 12.20495
 Lab Data File: Q32776.D,Q32812.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3700 | ug/kg |
| 100-41-4 | Ethylbenzene | 99000 | 2000 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 370 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 740 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 370 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 370 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 370 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 740 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 370 | ug/kg |
| 91-20-3 | Naphthalene | 3200 | 370 | ug/kg |
| 103-65-1 | n-Propylbenzene | 460 | 370 | ug/kg |
| 100-42-5 | Styrene | ND | 370 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 370 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 370 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 370 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 370 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 370 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 370 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 370 | ug/kg |
| 108-88-3 | Toluene | ND | 370 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 370 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 370 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 370 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 370 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 370 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 370 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 2100 | 370 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2300 | 370 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 370 | ug/kg |
| 95-47-6 | o-Xylene | 89000 | 2000 | ug/kg |
| 108-38-3 | m,p-Xylenes | 220000 | 4000 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 95% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 98% | 80%-120% | |
| Dibromofluoromethane | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 7
 Sample Description: 841130426-07

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:00
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 12:37 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.13
 Dilution Factor: 25
 Extract Volume: 1
 Lab Data File: 6050331.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|-----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 310 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 28000 | 310 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 310 | mg/kg |
| | Total PHC | 28000 | 310 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | D | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 7
 Sample Description: 841130426-07

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:00
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 02:41 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.73
 Dilution Factor: 200
 Extract Volume: 12.31768
 Lab Data File: Q32777.D,32813.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 5800 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 7300 | ug/kg |
| 71-43-2 | Benzene | ND | 1500 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 1500 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 1500 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 1500 | ug/kg |
| 75-25-2 | Bromoform | ND | 1500 | ug/kg |
| 74-83-9 | Bromomethane | ND | 1500 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 2900 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 1500 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 1500 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 1500 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 1500 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 1500 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 1500 | ug/kg |
| 75-00-3 | Chloroethane | ND | 1500 | ug/kg |
| 67-66-3 | Chloroform | ND | 1500 | ug/kg |
| 74-87-3 | Chloromethane | ND | 1500 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 1500 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 1500 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1500 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 1500 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 1500 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 1500 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1500 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1500 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1500 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 1500 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 1500 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 1500 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 1500 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1500 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1500 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 1500 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 1500 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 1500 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 1500 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1500 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1500 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 2900 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 7
 Sample Description: 841130426-07

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:00
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 02:41 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.73
 Dilution Factor: 200
 Extract Volume: 12.31768
 Lab Data File: Q32777.D,32813.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 15000 | ug/kg |
| 100-41-4 | Ethylbenzene | 120000 | 3700 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 1500 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 2900 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 1500 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 1500 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1500 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 2900 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 1500 | ug/kg |
| 91-20-3 | Naphthalene | 3100 | 1500 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 1500 | ug/kg |
| 100-42-5 | Styrene | ND | 1500 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 1500 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 1500 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1500 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1500 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1500 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1500 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1500 | ug/kg |
| 108-88-3 | Toluene | ND | 1500 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1500 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1500 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1500 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1500 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 1500 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 1500 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 2800 | 1500 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2400 | 1500 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 1500 | ug/kg |
| 95-47-6 | o-Xylene | 110000 | 3700 | ug/kg |
| 108-38-3 | m,p-Xylenes | 290000 | 7400 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 97% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 98% | 80%-120% | |
| Dibromofluoromethane | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 8
 Sample Description: 841130426-08

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/06/2013 17:25 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 12
 Sample Weight/Volume: 10.10
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050607.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 11 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 460 | 11 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 430 | 11 | mg/kg |
| | Total PHC | 900 | 11 | mg/kg |

| Sample QC | | | |
|-------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| o-Terphenyl | 115% | 26%-110% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 8
 Sample Description: 841130426-08

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 17:58 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 12
 Sample Weight/Volume: 9.87
 Dilution Factor: 4000
 Extract Volume: 11.14492
 Lab Data File: Q32815.D,Q32828.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|--------|-------|
| 67-64-1 | Acetone | ND | 100000 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 130000 | ug/kg |
| 71-43-2 | Benzene | ND | 26000 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 26000 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 26000 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 26000 | ug/kg |
| 75-25-2 | Bromoform | ND | 26000 | ug/kg |
| 74-83-9 | Bromomethane | ND | 26000 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 51000 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 26000 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 26000 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 26000 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 26000 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 26000 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 26000 | ug/kg |
| 75-00-3 | Chloroethane | ND | 26000 | ug/kg |
| 67-66-3 | Chloroform | ND | 26000 | ug/kg |
| 74-87-3 | Chloromethane | ND | 26000 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 26000 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 26000 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 26000 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 26000 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 26000 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 26000 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | 65000 | 26000 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 26000 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 26000 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 26000 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 26000 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 26000 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 26000 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 26000 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 26000 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 26000 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 26000 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 26000 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 26000 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 26000 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 26000 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 51000 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 8
 Sample Description: 841130426-08

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 17:58 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 12
 Sample Weight/Volume: 9.87
 Dilution Factor: 4000
 Extract Volume: 11.14492
 Lab Data File: Q32815.D,Q32828.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|---------|--------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 260000 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 26000 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 26000 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 51000 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 26000 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 26000 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 26000 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 51000 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 26000 | ug/kg |
| 91-20-3 | Naphthalene | ND | 26000 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 26000 | ug/kg |
| 100-42-5 | Styrene | ND | 26000 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 26000 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 26000 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 26000 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 26000 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 26000 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 26000 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 26000 | ug/kg |
| 108-88-3 | Toluene | ND | 26000 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 300000 | 26000 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1700000 | 51000 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 26000 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 26000 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 26000 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 26000 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 26000 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 26000 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 26000 | ug/kg |
| 95-47-6 | o-Xylene | ND | 26000 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 51000 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 101% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 100% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 9
 Sample Description: 841130426-09

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:45
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 18:25 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 26
 Sample Weight/Volume: 10.06
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050339.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 73% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 9
 Sample Description: 841130426-09

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:45
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 13:46 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 26
 Sample Weight/Volume: 10.60
 Dilution Factor: 50
 Extract Volume: 12.7878
 Lab Data File: Q32804.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1600 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 2000 | ug/kg |
| 71-43-2 | Benzene | ND | 410 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 410 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 410 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 410 | ug/kg |
| 75-25-2 | Bromoform | ND | 410 | ug/kg |
| 74-83-9 | Bromomethane | ND | 410 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 820 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 410 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 410 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 410 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 410 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 410 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 410 | ug/kg |
| 75-00-3 | Chloroethane | ND | 410 | ug/kg |
| 67-66-3 | Chloroform | ND | 410 | ug/kg |
| 74-87-3 | Chloromethane | ND | 410 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 410 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 410 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 410 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 410 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 410 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 410 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 410 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 410 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 410 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 410 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 410 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 410 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 410 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 410 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 410 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 410 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 410 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 410 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 410 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 410 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 410 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 820 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 9
 Sample Description: 841130426-09

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 11:45
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 13:46 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 26
 Sample Weight/Volume: 10.60
 Dilution Factor: 50
 Extract Volume: 12.7878
 Lab Data File: Q32804.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 4100 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 410 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 410 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 820 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 410 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 410 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 410 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 820 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 410 | ug/kg |
| 91-20-3 | Naphthalene | ND | 410 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 410 | ug/kg |
| 100-42-5 | Styrene | ND | 410 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 410 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 410 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 410 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 410 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 410 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 410 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 410 | ug/kg |
| 108-88-3 | Toluene | ND | 410 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 410 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 550 | 410 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 410 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 410 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 410 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 410 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 410 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 410 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 410 | ug/kg |
| 95-47-6 | o-Xylene | ND | 410 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 820 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 99% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 100% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 99% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 10
 Sample Description: 841130426-10

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 13:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 19:08 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 11
 Sample Weight/Volume: 10.05
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050340.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 11 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 11 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 20 | 11 | mg/kg |
| | Total PHC | 20 | 11 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 86% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 10
 Sample Description: 841130426-10

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 13:10
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 13:55 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 11
 Dilution Factor: 1
 Lab Data File: Q32745.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 12 | 10 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.2 | ug/kg |
| 71-43-2 | Benzene | ND | 5.2 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.2 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.2 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.2 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.2 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.2 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.2 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.2 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.2 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.2 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.2 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.2 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.2 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.2 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.2 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.2 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.2 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.2 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.2 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.2 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.2 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.2 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.2 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.2 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.2 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.2 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.2 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.2 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.2 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.2 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.2 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.2 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.2 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.2 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 10
 Sample Description: 841130426-10

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 13:10
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 13:55 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 11
 Dilution Factor: 1
 Lab Data File: Q32745.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 21 | ug/kg |
| 100-41-4 | Ethylbenzene | 5.8 | 5.2 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.2 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 10 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.2 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.2 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.2 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.2 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.2 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.2 | ug/kg |
| 100-42-5 | Styrene | ND | 5.2 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.2 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.2 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.2 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.2 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.2 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.2 | ug/kg |
| 108-88-3 | Toluene | ND | 5.2 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.2 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.2 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.2 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.2 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.2 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.2 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.2 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.2 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.2 | ug/kg |
| 95-47-6 | o-Xylene | 5.8 | 5.2 | ug/kg |
| 108-38-3 | m,p-Xylenes | 18 | 10 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 98% | 82%-120% | |
| Bromofluorobenzene | 99% | 70%-122% | |
| Toluene-d8 | 103% | 77%-126% | |
| Dibromofluoromethane | 100% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 12
 Sample Description: 841130426-12

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 13:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 20:36 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 33
 Sample Weight/Volume: 10.40
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050342.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 14 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 59 | 14 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 14 | mg/kg |
| | Total PHC | 59 | 14 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 62% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 12
 Sample Description: 841130426-12

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 13:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 16:04 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 33
 Sample Weight/Volume: 11.88
 Dilution Factor: 500
 Extract Volume: 13.88476
 Lab Data File: Q32810.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-------|-------|
| 67-64-1 | Acetone | ND | 17000 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 22000 | ug/kg |
| 71-43-2 | Benzene | ND | 4300 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 4300 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 4300 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 4300 | ug/kg |
| 75-25-2 | Bromoform | ND | 4300 | ug/kg |
| 74-83-9 | Bromomethane | ND | 4300 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 8700 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 4300 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 4300 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 4300 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 4300 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 4300 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 4300 | ug/kg |
| 75-00-3 | Chloroethane | ND | 4300 | ug/kg |
| 67-66-3 | Chloroform | ND | 4300 | ug/kg |
| 74-87-3 | Chloromethane | ND | 4300 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 4300 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 4300 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 4300 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 4300 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 4300 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 4300 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 4300 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 4300 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 4300 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 4300 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 4300 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 4300 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 4300 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 4300 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 4300 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 4300 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 4300 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 4300 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 4300 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 4300 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 4300 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 8700 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 12
 Sample Description: 841130426-12

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 13:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 16:04 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 33
 Sample Weight/Volume: 11.88
 Dilution Factor: 500
 Extract Volume: 13.88476
 Lab Data File: Q32810.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 43000 | ug/kg |
| 100-41-4 | Ethylbenzene | 30000 | 4300 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 4300 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 8700 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 4300 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 4300 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 4300 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 8700 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 4300 | ug/kg |
| 91-20-3 | Naphthalene | ND | 4300 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 4300 | ug/kg |
| 100-42-5 | Styrene | ND | 4300 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 4300 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 4300 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 4300 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 4300 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 4300 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 4300 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 4300 | ug/kg |
| 108-88-3 | Toluene | ND | 4300 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 4300 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 4300 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 4300 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 4300 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 4300 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 4300 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 4300 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 4300 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 4300 | ug/kg |
| 95-47-6 | o-Xylene | 27000 | 4300 | ug/kg |
| 108-38-3 | m,p-Xylenes | 75000 | 8700 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 102% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 100% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 13
 Sample Description: 841130426-13

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 14:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/07/2013 06:08 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 13
 Sample Weight/Volume: 10.06
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050624.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 11 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 700 | 11 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | 210 | 11 | mg/kg |
| | Total PHC | 910 | 11 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 51% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 13
 Sample Description: 841130426-13

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 14:10
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 14:19 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 13
 Dilution Factor: 1
 Lab Data File: Q32746.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 28 | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.4 | ug/kg |
| 71-43-2 | Benzene | ND | 5.4 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.4 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.4 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.4 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.4 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.4 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.4 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.4 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.4 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.4 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.4 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.4 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.4 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.4 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.4 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.4 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.4 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.4 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.4 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.4 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.4 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | 8.1 | 5.4 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.4 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | 9.1 | 5.4 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.4 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.4 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.4 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.4 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.4 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.4 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.4 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.4 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.4 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.4 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.4 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.4 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.4 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 13
 Sample Description: 841130426-13

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 14:10
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 14:19 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 13
 Dilution Factor: 1
 Lab Data File: Q32746.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | 12 | 5.4 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.4 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.4 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.4 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.4 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.4 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.4 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.4 | ug/kg |
| 100-42-5 | Styrene | ND | 5.4 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.4 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.4 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.4 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.4 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.4 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.4 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.4 | ug/kg |
| 108-88-3 | Toluene | ND | 5.4 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.4 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 14 | 5.4 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.4 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.4 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.4 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.4 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.4 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.4 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.4 | ug/kg |
| 95-47-6 | o-Xylene | 16 | 5.4 | ug/kg |
| 108-38-3 | m,p-Xylenes | 38 | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 96% | 82%-120% | |
| Bromofluorobenzene | 96% | 70%-122% | |
| Toluene-d8 | 109% | 77%-126% | |
| Dibromofluoromethane | 98% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 14
 Sample Description: 841130426-14

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 14:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 21:19 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 31
 Sample Weight/Volume: 10.08
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050343.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 14 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 150 | 14 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 14 | mg/kg |
| | Total PHC | 150 | 14 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 57% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 14
 Sample Description: 841130426-14

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 14:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 04:11 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 31
 Sample Weight/Volume: 11.54
 Dilution Factor: 200
 Extract Volume: 13.55432
 Lab Data File: Q32781.D,Q32814.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 6800 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 8500 | ug/kg |
| 71-43-2 | Benzene | ND | 1700 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 1700 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 1700 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 1700 | ug/kg |
| 75-25-2 | Bromoform | ND | 1700 | ug/kg |
| 74-83-9 | Bromomethane | ND | 1700 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 3400 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 1700 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 1700 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 1700 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 1700 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 1700 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 1700 | ug/kg |
| 75-00-3 | Chloroethane | ND | 1700 | ug/kg |
| 67-66-3 | Chloroform | ND | 1700 | ug/kg |
| 74-87-3 | Chloromethane | ND | 1700 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 1700 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 1700 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 1700 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 1700 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 1700 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 1700 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1700 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1700 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1700 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 1700 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 1700 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 1700 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 1700 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1700 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1700 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 1700 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 1700 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 1700 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 1700 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1700 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1700 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 3400 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 14
 Sample Description: 841130426-14

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 14:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 04:11 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 31
 Sample Weight/Volume: 11.54
 Dilution Factor: 200
 Extract Volume: 13.55432
 Lab Data File: Q32781.D,Q32814.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 17000 | ug/kg |
| 100-41-4 | Ethylbenzene | 230000 | 8500 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 1700 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 3400 | ug/kg |
| 98-82-8 | Isopropylbenzene | 13000 | 1700 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 1700 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1700 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 3400 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 1700 | ug/kg |
| 91-20-3 | Naphthalene | 5100 | 1700 | ug/kg |
| 103-65-1 | n-Propylbenzene | 7300 | 1700 | ug/kg |
| 100-42-5 | Styrene | ND | 1700 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 1700 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 1700 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1700 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1700 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1700 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1700 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1700 | ug/kg |
| 108-88-3 | Toluene | 19000 | 1700 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1700 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1700 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1700 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1700 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 1700 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 1700 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 33000 | 1700 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 17000 | 1700 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 1700 | ug/kg |
| 95-47-6 | o-Xylene | 280000 | 8500 | ug/kg |
| 108-38-3 | m,p-Xylenes | 610000 | 17000 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 98% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 101% | 80%-120% | |
| Toluene-d8 | 98% | 80%-120% | |
| Dibromofluoromethane | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 15
 Sample Description: 841130426-15

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 15:00
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/07/2013 00:24 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 50
 Lab Data File: Q32771.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1000 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 250 | ug/L |
| 71-43-2 | Benzene | ND | 250 | ug/L |
| 108-86-1 | Bromobenzene | ND | 250 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 250 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 250 | ug/L |
| 75-25-2 | Bromoform | ND | 250 | ug/L |
| 74-83-9 | Bromomethane | ND | 250 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 500 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 250 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 250 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 50 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 250 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 250 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 250 | ug/L |
| 75-00-3 | Chloroethane | ND | 250 | ug/L |
| 67-66-3 | Chloroform | ND | 250 | ug/L |
| 74-87-3 | Chloromethane | ND | 250 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 250 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 250 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 250 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 250 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 250 | ug/L |
| 74-95-3 | Dibromomethane | ND | 250 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 250 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 250 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 250 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 250 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 250 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 250 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 250 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 250 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 250 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 250 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 250 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 250 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 250 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 250 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 250 | ug/L |
| 60-29-7 | Diethyl ether | ND | 250 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 15
 Sample Description: 841130426-15

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 15:00
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/07/2013 00:24 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 50
 Lab Data File: Q32771.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 500 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 250 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 250 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 250 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 250 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 250 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 250 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 250 | ug/L |
| 75-09-2 | Methylene chloride | ND | 250 | ug/L |
| 91-20-3 | Naphthalene | ND | 250 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 250 | ug/L |
| 100-42-5 | Styrene | ND | 250 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 250 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 250 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 250 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 250 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 250 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 250 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 250 | ug/L |
| 108-88-3 | Toluene | ND | 250 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 250 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 250 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 250 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 250 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 250 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 250 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 250 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 250 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 250 | ug/L |
| 95-47-6 | o-Xylene | ND | 250 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 500 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 80%-120% | |
| Bromofluorobenzene | 100% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 16
 Sample Description: 841130426-16

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 15:00
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/08/2013 11:31 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32826.D
 QC Batch#: 105813

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 16
 Sample Description: 841130426-16

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/26/2013 15:00
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/08/2013 11:31 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32826.D
 QC Batch#: 105813

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 93% | 80%-120% | |
| Bromofluorobenzene | 93% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 17
 Sample Description: 841130429-17

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 09:15
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 22:03 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.19
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050344.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 73% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 17
 Sample Description: 841130429-17

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 09:15
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 13:23 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.80
 Dilution Factor: 50
 Extract Volume: 12.4192
 Lab Data File: Q32803.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1500 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 1800 | ug/kg |
| 71-43-2 | Benzene | ND | 370 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 370 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 370 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 370 | ug/kg |
| 75-25-2 | Bromoform | ND | 370 | ug/kg |
| 74-83-9 | Bromomethane | ND | 370 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 740 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 370 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 370 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 370 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 370 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 370 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 370 | ug/kg |
| 75-00-3 | Chloroethane | ND | 370 | ug/kg |
| 67-66-3 | Chloroform | ND | 370 | ug/kg |
| 74-87-3 | Chloromethane | ND | 370 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 370 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 370 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 370 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 370 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 370 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 370 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 370 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 370 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 370 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 370 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 370 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 370 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 370 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 370 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 370 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 370 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 370 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 370 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 370 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 370 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 370 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 740 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 17
 Sample Description: 841130429-17

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 09:15
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 13:23 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 22
 Sample Weight/Volume: 10.80
 Dilution Factor: 50
 Extract Volume: 12.4192
 Lab Data File: Q32803.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3700 | ug/kg |
| 100-41-4 | Ethylbenzene | 1600 | 370 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 370 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 740 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 370 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 370 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 370 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 740 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 370 | ug/kg |
| 91-20-3 | Naphthalene | ND | 370 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 370 | ug/kg |
| 100-42-5 | Styrene | ND | 370 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 370 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 370 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 370 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 370 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 370 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 370 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 370 | ug/kg |
| 108-88-3 | Toluene | ND | 370 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 370 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 370 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 370 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 370 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 370 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 370 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 370 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 370 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 370 | ug/kg |
| 95-47-6 | o-Xylene | 1400 | 370 | ug/kg |
| 108-38-3 | m,p-Xylenes | 6300 | 740 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 18
 Sample Description: 841130429-18

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 09:30
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 22:45 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 30
 Sample Weight/Volume: 10.06
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050345.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 14 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 14 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 14 | mg/kg |
| | Total PHC | ND | 14 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 101% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 18
 Sample Description: 841130429-18

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 09:30
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 15:08 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 30
 Dilution Factor: 1
 Lab Data File: Q32748.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 16 | 12 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 6.2 | ug/kg |
| 71-43-2 | Benzene | ND | 6.2 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 6.2 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 6.2 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 6.2 | ug/kg |
| 75-25-2 | Bromoform | ND | 6.2 | ug/kg |
| 74-83-9 | Bromomethane | ND | 6.2 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 12 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 6.2 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 6.2 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 6.2 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 6.2 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 6.2 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 6.2 | ug/kg |
| 75-00-3 | Chloroethane | ND | 6.2 | ug/kg |
| 67-66-3 | Chloroform | ND | 6.2 | ug/kg |
| 74-87-3 | Chloromethane | ND | 6.2 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 6.2 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 6.2 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.2 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 6.2 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 6.2 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 6.2 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 6.2 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 6.2 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 6.2 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 6.2 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 6.2 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 6.2 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 6.2 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 6.2 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 6.2 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 6.2 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 6.2 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 6.2 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 6.2 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 6.2 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 6.2 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 6.2 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 18
 Sample Description: 841130429-18

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 09:30
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 15:08 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 30
 Dilution Factor: 1
 Lab Data File: Q32748.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 25 | ug/kg |
| 100-41-4 | Ethylbenzene | 6.6 | 6.2 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 6.2 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 12 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 6.2 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 6.2 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 6.2 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 12 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 6.2 | ug/kg |
| 91-20-3 | Naphthalene | ND | 6.2 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 6.2 | ug/kg |
| 100-42-5 | Styrene | ND | 6.2 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 6.2 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 6.2 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 6.2 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 6.2 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 6.2 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 6.2 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 6.2 | ug/kg |
| 108-88-3 | Toluene | ND | 6.2 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 6.2 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 6.2 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 6.2 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 6.2 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 6.2 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 6.2 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 6.2 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 6.2 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 6.2 | ug/kg |
| 95-47-6 | o-Xylene | ND | 6.2 | ug/kg |
| 108-38-3 | m,p-Xylenes | 19 | 12 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 102% | 82%-120% | |
| Bromofluorobenzene | 106% | 70%-122% | |
| Toluene-d8 | 99% | 77%-126% | |
| Dibromofluoromethane | 99% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 19
 Sample Description: 841130429-19

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/04/2013 23:28 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.06
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050346.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 12 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 43 | 12 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 12 | mg/kg |
| | Total PHC | 43 | 12 | mg/kg |

| Sample QC | | | |
|-------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| o-Terphenyl | 71% | 26%-110% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 19
 Sample Description: 841130429-19

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 14:32 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.45
 Dilution Factor: 50
 Extract Volume: 12.16315
 Lab Data File: Q32806.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1500 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 1800 | ug/kg |
| 71-43-2 | Benzene | ND | 370 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 370 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 370 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 370 | ug/kg |
| 75-25-2 | Bromoform | ND | 370 | ug/kg |
| 74-83-9 | Bromomethane | ND | 370 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 730 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 370 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 370 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 370 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 370 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 370 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 370 | ug/kg |
| 75-00-3 | Chloroethane | ND | 370 | ug/kg |
| 67-66-3 | Chloroform | ND | 370 | ug/kg |
| 74-87-3 | Chloromethane | ND | 370 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 370 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 370 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 370 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 370 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 370 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 370 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 370 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 370 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 370 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 370 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 370 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 370 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 370 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 370 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 370 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 370 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 370 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 370 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 370 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 370 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 370 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 730 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 19
 Sample Description: 841130429-19

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 14:32 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.45
 Dilution Factor: 50
 Extract Volume: 12.16315
 Lab Data File: Q32806.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3700 | ug/kg |
| 100-41-4 | Ethylbenzene | 2600 | 370 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 370 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 730 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 370 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 370 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 370 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 730 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 370 | ug/kg |
| 91-20-3 | Naphthalene | ND | 370 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 370 | ug/kg |
| 100-42-5 | Styrene | ND | 370 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 370 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 370 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 370 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 370 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 370 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 370 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 370 | ug/kg |
| 108-88-3 | Toluene | ND | 370 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 370 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 370 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 370 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 370 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 370 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 370 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 370 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 370 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 370 | ug/kg |
| 95-47-6 | o-Xylene | 2000 | 370 | ug/kg |
| 108-38-3 | m,p-Xylenes | 6600 | 730 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 99% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 100% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 99% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 20
 Sample Description: 841130429-20

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/05/2013 00:11 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 30
 Sample Weight/Volume: 10.20
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050347.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 14 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 55 | 14 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 14 | mg/kg |
| | Total PHC | 55 | 14 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 65% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 20
 Sample Description: 841130429-20

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 14:55 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 30
 Sample Weight/Volume: 11.92
 Dilution Factor: 50
 Extract Volume: 13.52832
 Lab Data File: Q32807.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1600 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 2000 | ug/kg |
| 71-43-2 | Benzene | ND | 400 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 400 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 400 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 400 | ug/kg |
| 75-25-2 | Bromoform | ND | 400 | ug/kg |
| 74-83-9 | Bromomethane | ND | 400 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 810 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 400 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 400 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 400 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 400 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 400 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 400 | ug/kg |
| 75-00-3 | Chloroethane | ND | 400 | ug/kg |
| 67-66-3 | Chloroform | ND | 400 | ug/kg |
| 74-87-3 | Chloromethane | ND | 400 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | 2600 | 400 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 400 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 400 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 400 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 400 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 400 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 400 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 400 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 400 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 400 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 400 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 400 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 400 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 400 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 400 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 400 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 400 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 400 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 400 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 400 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 400 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 810 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 20
 Sample Description: 841130429-20

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 14:55 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 30
 Sample Weight/Volume: 11.92
 Dilution Factor: 50
 Extract Volume: 13.52832
 Lab Data File: Q32807.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 4000 | ug/kg |
| 100-41-4 | Ethylbenzene | 3300 | 400 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 400 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 810 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 400 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 400 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 400 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 810 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 400 | ug/kg |
| 91-20-3 | Naphthalene | ND | 400 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 400 | ug/kg |
| 100-42-5 | Styrene | ND | 400 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 400 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 400 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 400 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 400 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 400 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 400 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 400 | ug/kg |
| 108-88-3 | Toluene | ND | 400 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 490 | 400 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 700 | 400 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 400 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 400 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 400 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 400 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 400 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 400 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 400 | ug/kg |
| 95-47-6 | o-Xylene | 3200 | 400 | ug/kg |
| 108-38-3 | m,p-Xylenes | 9600 | 810 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 98% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 21
 Sample Description: 841130429-21

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:50
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/05/2013 05:16 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 10.09
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050354.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 78% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 21
 Sample Description: 841130429-21

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:50
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 15:32 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 23
 Dilution Factor: 1
 Lab Data File: Q32749.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.4 | ug/kg |
| 71-43-2 | Benzene | ND | 5.4 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.4 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.4 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.4 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.4 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.4 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.4 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.4 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.4 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.4 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.4 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.4 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.4 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.4 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.4 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.4 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.4 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.4 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.4 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.4 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.4 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.4 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.4 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.4 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.4 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.4 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.4 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.4 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.4 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.4 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.4 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.4 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.4 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.4 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.4 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.4 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.4 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 21
 Sample Description: 841130429-21

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 10:50
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 15:32 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 23
 Dilution Factor: 1
 Lab Data File: Q32749.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | 5.8 | 5.4 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.4 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.4 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.4 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.4 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.4 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.4 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.4 | ug/kg |
| 100-42-5 | Styrene | ND | 5.4 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.4 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.4 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.4 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.4 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.4 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.4 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.4 | ug/kg |
| 108-88-3 | Toluene | ND | 5.4 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.4 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.4 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.4 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.4 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.4 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.4 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.4 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.4 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.4 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.4 | ug/kg |
| 108-38-3 | m,p-Xylenes | 17 | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 99% | 82%-120% | |
| Bromofluorobenzene | 103% | 70%-122% | |
| Toluene-d8 | 99% | 77%-126% | |
| Dibromofluoromethane | 100% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 22
 Sample Description: 841130429-22

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 11:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/01/2013 09:25 By: JRM
 Date Analyzed: 05/06/2013 18:10 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 6.4
 Sample Weight/Volume: 10.25
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050608.D
 QC Batch#: 105717

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 10 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 84 | 10 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 10 | mg/kg |
| | Total PHC | 84 | 10 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 70% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 22
 Sample Description: 841130429-22

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 11:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 16:27 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 6.4
 Sample Weight/Volume: 12.94
 Dilution Factor: 100
 Extract Volume: 10.82816
 Lab Data File: Q32811.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1800 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 2200 | ug/kg |
| 71-43-2 | Benzene | ND | 450 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 450 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 450 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 450 | ug/kg |
| 75-25-2 | Bromoform | ND | 450 | ug/kg |
| 74-83-9 | Bromomethane | ND | 450 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 890 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 450 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 450 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 450 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 450 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 450 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 450 | ug/kg |
| 75-00-3 | Chloroethane | ND | 450 | ug/kg |
| 67-66-3 | Chloroform | ND | 450 | ug/kg |
| 74-87-3 | Chloromethane | ND | 450 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 450 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 450 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 450 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 450 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 450 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 450 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 450 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 450 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 450 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 450 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 450 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 450 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 450 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 450 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 450 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 450 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 450 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 450 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 450 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 450 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 450 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 890 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 22
 Sample Description: 841130429-22

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 11:10
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 16:27 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 6.4
 Sample Weight/Volume: 12.94
 Dilution Factor: 100
 Extract Volume: 10.82816
 Lab Data File: Q32811.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 4500 | ug/kg |
| 100-41-4 | Ethylbenzene | 4800 | 450 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 450 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 890 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 450 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 450 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 450 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 890 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 450 | ug/kg |
| 91-20-3 | Naphthalene | ND | 450 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 450 | ug/kg |
| 100-42-5 | Styrene | ND | 450 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 450 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 450 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 450 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 450 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 450 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 450 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 450 | ug/kg |
| 108-88-3 | Toluene | ND | 450 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 450 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 450 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 450 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 450 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 450 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 450 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1300 | 450 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 560 | 450 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 450 | ug/kg |
| 95-47-6 | o-Xylene | 6000 | 450 | ug/kg |
| 108-38-3 | m,p-Xylenes | 10000 | 890 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 100% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 100% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 23
 Sample Description: 841130429-23

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 12:50
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/02/2013 10:30 By: AJM
 Date Analyzed: 05/05/2013 06:43 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 24
 Sample Weight/Volume: 10.05
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050356.D
 QC Batch#: 105719

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 70% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 23
 Sample Description: 841130429-23

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 12:50
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 15:56 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 24
 Dilution Factor: 1
 Lab Data File: Q32750.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.5 | ug/kg |
| 71-43-2 | Benzene | ND | 5.5 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.5 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.5 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.5 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.5 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.5 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.5 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.5 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.5 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.5 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.5 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.5 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.5 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.5 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.5 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 5.5 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 5.5 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.5 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.5 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.5 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.5 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.5 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.5 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.5 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.5 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.5 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.5 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.5 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.5 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.5 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.5 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.5 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 23
 Sample Description: 841130429-23

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 12:50
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 15:56 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 24
 Dilution Factor: 1
 Lab Data File: Q32750.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | ND | 5.5 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.5 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.5 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.5 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.5 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.5 | ug/kg |
| 91-20-3 | Naphthalene | ND | 5.5 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.5 | ug/kg |
| 100-42-5 | Styrene | ND | 5.5 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.5 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.5 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.5 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.5 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.5 | ug/kg |
| 108-88-3 | Toluene | ND | 5.5 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.5 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.5 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.5 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.5 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.5 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.5 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.5 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.5 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.5 | ug/kg |
| 95-47-6 | o-Xylene | ND | 5.5 | ug/kg |
| 108-38-3 | m,p-Xylenes | ND | 11 | ug/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-----------------------|----------|-----------|
| 1,2-Dichloroethane-d4 | 98% | 82%-120% |
| Bromofluorobenzene | 105% | 70%-122% |
| Toluene-d8 | 98% | 77%-126% |
| Dibromofluoromethane | 100% | 70%-130% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 24
 Sample Description: 841130429-24

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 13:05
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/02/2013 10:30 By: AJM
 Date Analyzed: 05/05/2013 07:27 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 10.15
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050357.D
 QC Batch#: 105719

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 75% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 24
 Sample Description: 841130429-24

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 13:05
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 14:09 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 11.95
 Dilution Factor: 50
 Extract Volume: 12.99945
 Lab Data File: Q32805.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1400 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 1800 | ug/kg |
| 71-43-2 | Benzene | ND | 360 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 360 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 360 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 360 | ug/kg |
| 75-25-2 | Bromoform | ND | 360 | ug/kg |
| 74-83-9 | Bromomethane | ND | 360 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 730 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 360 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 360 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 360 | ug/kg |
| 75-15-0 | Carbon disulfide | 580 | 360 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 360 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 360 | ug/kg |
| 75-00-3 | Chloroethane | ND | 360 | ug/kg |
| 67-66-3 | Chloroform | ND | 360 | ug/kg |
| 74-87-3 | Chloromethane | ND | 360 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 360 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 360 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 360 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 360 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 360 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 360 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 360 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 360 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 360 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 360 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 360 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 360 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 360 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 360 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 360 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 360 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 360 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 360 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 360 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 360 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 360 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 730 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 24
 Sample Description: 841130429-24

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 13:05
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 14:09 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 11.95
 Dilution Factor: 50
 Extract Volume: 12.99945
 Lab Data File: Q32805.D
 QC Batch#: 105790

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3600 | ug/kg |
| 100-41-4 | Ethylbenzene | 3900 | 360 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 360 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 730 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 360 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 360 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 360 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 730 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 360 | ug/kg |
| 91-20-3 | Naphthalene | ND | 360 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 360 | ug/kg |
| 100-42-5 | Styrene | ND | 360 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 360 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 360 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 360 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 360 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 360 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 360 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 360 | ug/kg |
| 108-88-3 | Toluene | ND | 360 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 360 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 360 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 360 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 360 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 360 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 360 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 620 | 360 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 360 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 360 | ug/kg |
| 95-47-6 | o-Xylene | 2700 | 360 | ug/kg |
| 108-38-3 | m,p-Xylenes | 3800 | 730 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 101% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 102% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 25
 Sample Description: 841130429-25

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 14:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/02/2013 10:30 By: AJM
 Date Analyzed: 05/05/2013 08:09 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 10.00
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050358.D
 QC Batch#: 105719

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | 14 | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | 14 | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 79% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 25
 Sample Description: 841130429-25

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 14:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 06:05 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 12.05
 Dilution Factor: 50
 Extract Volume: 12.5064
 Lab Data File: Q32786.D,Q32751.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1300 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 1600 | ug/kg |
| 71-43-2 | Benzene | ND | 330 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 330 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 330 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 330 | ug/kg |
| 75-25-2 | Bromoform | ND | 330 | ug/kg |
| 74-83-9 | Bromomethane | ND | 330 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 660 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 330 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 330 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 330 | ug/kg |
| 75-15-0 | Carbon disulfide | 450 | 330 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 330 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 330 | ug/kg |
| 75-00-3 | Chloroethane | ND | 330 | ug/kg |
| 67-66-3 | Chloroform | ND | 330 | ug/kg |
| 74-87-3 | Chloromethane | ND | 330 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | ND | 330 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | ND | 330 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 330 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 330 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 330 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 330 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 330 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 330 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 330 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 330 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 330 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 330 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 330 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 330 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 330 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 330 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 330 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 330 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 330 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 330 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 330 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 660 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 25
 Sample Description: 841130429-25

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 14:40
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/06/2013 09:00 By: AMH
 Date Analyzed: 05/07/2013 06:05 By: AMH
 Preparation Method: Methanol Preserved
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 21
 Sample Weight/Volume: 12.05
 Dilution Factor: 50
 Extract Volume: 12.5064
 Lab Data File: Q32786.D,Q32751.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 3300 | ug/kg |
| 100-41-4 | Ethylbenzene | 4300 | 330 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 330 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 660 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 330 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 330 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 330 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 660 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 330 | ug/kg |
| 91-20-3 | Naphthalene | ND | 330 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 330 | ug/kg |
| 100-42-5 | Styrene | ND | 330 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 330 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 330 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 330 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 330 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 330 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 330 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 330 | ug/kg |
| 108-88-3 | Toluene | 380 | 330 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 330 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 330 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 330 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 330 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 330 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 330 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 510 | 330 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 330 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 330 | ug/kg |
| 95-47-6 | o-Xylene | 4600 | 330 | ug/kg |
| 108-38-3 | m,p-Xylenes | 9600 | 660 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| Bromofluorobenzene | 99% | 80%-120% | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 101% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 26
 Sample Description: 841130429-26

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 15:05
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/02/2013 10:30 By: AJM
 Date Analyzed: 05/05/2013 08:52 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 25
 Sample Weight/Volume: 10.40
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050359.D
 QC Batch#: 105719

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 69% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 26
 Sample Description: 841130429-26

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 15:05
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 16:45 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Dilution Factor: 1
 Lab Data File: Q32752.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 57 | 12 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.8 | ug/kg |
| 71-43-2 | Benzene | ND | 5.8 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.8 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.8 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.8 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.8 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.8 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | 19 | 12 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.8 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.8 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.8 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.8 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.8 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.8 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.8 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.8 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.8 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | 350 | 5.8 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | 9.0 | 5.8 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.8 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.8 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.8 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.8 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | 8.1 | 5.8 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.8 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.8 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.8 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.8 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.8 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.8 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.8 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.8 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.8 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.8 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.8 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.8 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.8 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.8 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.8 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 26
 Sample Description: 841130429-26

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 15:05
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 16:45 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 25
 Dilution Factor: 1
 Lab Data File: Q32752.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 23 | ug/kg |
| 100-41-4 | Ethylbenzene | 6.8 | 5.8 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.8 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 12 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.8 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.8 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.8 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 12 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.8 | ug/kg |
| 91-20-3 | Naphthalene | 140 | 5.8 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.8 | ug/kg |
| 100-42-5 | Styrene | ND | 5.8 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.8 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.8 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.8 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.8 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.8 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.8 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.8 | ug/kg |
| 108-88-3 | Toluene | ND | 5.8 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.8 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7.2 | 5.8 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.8 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.8 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.8 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.8 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.8 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.8 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.8 | ug/kg |
| 95-47-6 | o-Xylene | 6.9 | 5.8 | ug/kg |
| 108-38-3 | m,p-Xylenes | 19 | 12 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 82%-120% | |
| Bromofluorobenzene | 103% | 70%-122% | |
| Toluene-d8 | 100% | 77%-126% | |
| Dibromofluoromethane | 100% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 27
 Sample Description: 841130429-27

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 15:20
 Date Received: 04/30/2013 17:25
 Date Extracted: 05/02/2013 10:30 By: AJM
 Date Analyzed: 05/05/2013 09:34 By: MRB
 Preparation Method: 8100
 Analytical Method: 8100

Matrix: Solid
 Percent Moisture: 23
 Sample Weight/Volume: 10.05
 Dilution Factor: 1
 Extract Volume: 1
 Lab Data File: 6050360.D
 QC Batch#: 105719

| CAS No. | Parameter | Result | DL | Units |
|---------|-------------------------------------|--------|----|-------|
| | C6-C10 Light Petroleum Distillate | ND | 13 | mg/kg |
| | C10-C28 Medium Petroleum Distillate | ND | 13 | mg/kg |
| | C16-C36 Heavy Petroleum Distillate | ND | 13 | mg/kg |
| | Total PHC | ND | 13 | mg/kg |

Sample QC

| Surrogate | Recovery | QC Limits |
|-------------|----------|-----------|
| o-Terphenyl | 77% | 26%-110% |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 27
 Sample Description: 841130429-27

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 15:20
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 17:09 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 23
 Dilution Factor: 1
 Lab Data File: Q32753.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 17 | 11 | ug/kg |
| 107-13-1 | Acrylonitrile | ND | 5.5 | ug/kg |
| 71-43-2 | Benzene | ND | 5.5 | ug/kg |
| 108-86-1 | Bromobenzene | ND | 5.5 | ug/kg |
| 74-97-5 | Bromochloromethane | ND | 5.5 | ug/kg |
| 75-27-4 | Bromodichloromethane | ND | 5.5 | ug/kg |
| 75-25-2 | Bromoform | ND | 5.5 | ug/kg |
| 74-83-9 | Bromomethane | ND | 5.5 | ug/kg |
| 78-93-3 | 2-Butanone (MEK) | ND | 11 | ug/kg |
| 104-51-8 | n-Butylbenzene | ND | 5.5 | ug/kg |
| 135-98-8 | sec-Butylbenzene | ND | 5.5 | ug/kg |
| 98-06-6 | tert-Butylbenzene | ND | 5.5 | ug/kg |
| 75-15-0 | Carbon disulfide | ND | 5.5 | ug/kg |
| 56-23-5 | Carbon tetrachloride | ND | 5.5 | ug/kg |
| 108-90-7 | Chlorobenzene | ND | 5.5 | ug/kg |
| 75-00-3 | Chloroethane | ND | 5.5 | ug/kg |
| 67-66-3 | Chloroform | ND | 5.5 | ug/kg |
| 74-87-3 | Chloromethane | ND | 5.5 | ug/kg |
| 95-49-8 | 2-Chlorotoluene | 130 | 5.5 | ug/kg |
| 106-43-4 | 4-Chlorotoluene | 9.4 | 5.5 | ug/kg |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.5 | ug/kg |
| 124-48-1 | Dibromochloromethane | ND | 5.5 | ug/kg |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.5 | ug/kg |
| 74-95-3 | Dibromomethane | ND | 5.5 | ug/kg |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.5 | ug/kg |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.5 | ug/kg |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.5 | ug/kg |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.5 | ug/kg |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.5 | ug/kg |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.5 | ug/kg |
| 75-35-4 | 1,1-Dichloroethene | ND | 5.5 | ug/kg |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.5 | ug/kg |
| 78-87-5 | 1,2-Dichloropropane | ND | 5.5 | ug/kg |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.5 | ug/kg |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.5 | ug/kg |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.5 | ug/kg |
| 60-29-7 | Diethyl ether | ND | 5.5 | ug/kg |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 27
 Sample Description: 841130429-27

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 15:20
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/06/2013 17:09 By: AMH
 Analytical Method: 8260B

Matrix: Solid
 Percent Moisture: 23
 Dilution Factor: 1
 Lab Data File: Q32753.D
 QC Batch#: 105753

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 22 | ug/kg |
| 100-41-4 | Ethylbenzene | 6.6 | 5.5 | ug/kg |
| 87-68-3 | Hexachlorobutadiene | ND | 5.5 | ug/kg |
| 591-78-6 | 2-Hexanone | ND | 11 | ug/kg |
| 98-82-8 | Isopropylbenzene | ND | 5.5 | ug/kg |
| 99-87-6 | 4-Isopropyltoluene | ND | 5.5 | ug/kg |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 5.5 | ug/kg |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 11 | ug/kg |
| 75-09-2 | Methylene chloride | ND | 5.5 | ug/kg |
| 91-20-3 | Naphthalene | 26 | 5.5 | ug/kg |
| 103-65-1 | n-Propylbenzene | ND | 5.5 | ug/kg |
| 100-42-5 | Styrene | ND | 5.5 | ug/kg |
| 109-99-9 | Tetrahydrofuran | ND | 5.5 | ug/kg |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.5 | ug/kg |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.5 | ug/kg |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.5 | ug/kg |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.5 | ug/kg |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 5.5 | ug/kg |
| 108-88-3 | Toluene | 15 | 5.5 | ug/kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.5 | ug/kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.5 | ug/kg |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.5 | ug/kg |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.5 | ug/kg |
| 79-01-6 | Trichloroethene (TCE) | ND | 5.5 | ug/kg |
| 75-69-4 | Trichlorofluoromethane | ND | 5.5 | ug/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.5 | ug/kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.5 | ug/kg |
| 75-01-4 | Vinyl chloride | ND | 5.5 | ug/kg |
| 95-47-6 | o-Xylene | 5.6 | 5.5 | ug/kg |
| 108-38-3 | m,p-Xylenes | 19 | 11 | ug/kg |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 82%-120% | |
| Bromofluorobenzene | 104% | 70%-122% | |
| Toluene-d8 | 100% | 77%-126% | |
| Dibromofluoromethane | 100% | 70%-130% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304013
 Sample No: 28
 Sample Description: 841130429-28

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 16:45
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/07/2013 00:47 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 50
 Lab Data File: Q32772.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 500 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 250 | ug/L |
| 71-43-2 | Benzene | ND | 250 | ug/L |
| 108-86-1 | Bromobenzene | ND | 250 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 250 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 250 | ug/L |
| 75-25-2 | Bromoform | ND | 250 | ug/L |
| 74-83-9 | Bromomethane | ND | 250 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 500 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 250 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 250 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 250 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 250 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 250 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 250 | ug/L |
| 75-00-3 | Chloroethane | ND | 250 | ug/L |
| 67-66-3 | Chloroform | ND | 250 | ug/L |
| 74-87-3 | Chloromethane | ND | 250 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 250 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 250 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 250 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 250 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 250 | ug/L |
| 74-95-3 | Dibromomethane | ND | 250 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 250 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 250 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 250 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 250 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 250 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 250 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 250 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 250 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 250 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 250 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 250 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 250 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 250 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 250 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 250 | ug/L |
| 60-29-7 | Diethyl ether | ND | 250 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 28
 Sample Description: 841130429-28

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 16:45
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/07/2013 00:47 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 50
 Lab Data File: Q32772.D
 QC Batch#: 105755

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 500 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 250 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 250 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 250 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 250 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 250 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 250 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 250 | ug/L |
| 75-09-2 | Methylene chloride | ND | 250 | ug/L |
| 91-20-3 | Naphthalene | ND | 250 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 250 | ug/L |
| 100-42-5 | Styrene | ND | 250 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 250 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 250 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 250 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 250 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 250 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 250 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 250 | ug/L |
| 108-88-3 | Toluene | ND | 250 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 250 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 250 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 250 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 250 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 250 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 250 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 250 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 250 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 250 | ug/L |
| 95-47-6 | o-Xylene | ND | 250 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 500 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 98% | 80%-120% | |
| Bromofluorobenzene | 101% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 97% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 29
 Sample Description: 841130429-29

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 16:45
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/08/2013 11:54 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32827.D
 QC Batch#: 105813

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E304O13
 Sample No: 29
 Sample Description: 841130429-29

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 04/29/2013 16:45
 Date Received: 04/30/2013 17:25
 Date Analyzed: 05/08/2013 11:54 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32827.D
 QC Batch#: 105813

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 92% | 80%-120% | |
| Bromofluorobenzene | 90% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |



FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201

- 78 Interstate Drive, West Springfield, MA 01089
- 317 Iron Horse Way, Suite 204, Providence, RI 02908
- 80 Washington Street, Suite 301, Poughkeepsie, NY

ES04013

CHAIN-OF-CUSTODY RECORD 28830

Turnaround

- 24-Hour* 72-Hour* Other _____ (days)
- 48-Hour* Standard (____ days) *Surcharge Applies

PROJECT NUMBER

20091532 A30

PROJECT LOCATION

Woonsocket, RI

LABORATORY

Premier Containers

Analysis Request

VOC by 8260
TPH by 8260

- Soil VOA Vial methanol
- Soil VOA Vial water
- Soil VOA Vial water Na₂SO₄
- Other: *See protocol*
- Water VOA Vial As ts HCl
- Glass Amber () ml As ts H₂SO₄
- Plastic - As ts, 250 ml 500 1000 ml
- Plastic - H₂SO₄, 250 ml 500 ml
- Plastic - HNO₃, 250 ml Filtered 0.45µ Top
- Plastic - NaOH, 250 ml
- Comments

REPORT TO: *Port Dowling*

INVOICE TO: *Cynthia Gianfrancesco, RI DEM*

P.O. NO.: *84120091532 A30*

Sampler's Signature: *[Signature]* Date: *4/29/13*

Source Codes: MW=Monitoring Well PW=Potable Water T=Treatment Facility B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete

X=Other

| Item No. | Transfer Check | | | | Sample Number | Source Code | Date Sampled | Time Sampled | Analysis Request | Comments |
|----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------|-------------|--------------|--------------|------------------|----------|
| | 1 | 2 | 3 | 4 | | | | | | |
| 1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 841130426-01 | S | 4/26/13 | 0910 | ✓ | |
| 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -02 | | | 0920 | ✓ | |
| 3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -03 | | | 0930 | Hold | |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -04 | | | 0940 | ✓ | |
| 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -05 | | | 1010 | Hold | |
| 6 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -06 | | | 1050 | ✓ | |
| 7 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -07 | | | 1100 | ✓ | |
| 8 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -08 | | | 1130 | ✓ | |
| 9 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -09 | | | 1145 | ✓ | |
| 10 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | -10 | | | 1310 | ✓ | |

2.8%

| Transfer Number | Relinquished By | Accepted By | Date | Time | Charge Exceptions: |
|-----------------|--------------------|----------------------|---------|------|--|
| 1 | <i>[Signature]</i> | <i>Eric Miller</i> | 4/26/13 | 1645 | <input type="checkbox"/> CT Tax Exempt <input type="checkbox"/> QA/QC <input type="checkbox"/> Other _____ ____ Duplicates _____ Blanks (Item Nos: _____) |
| 2 | <i>[Signature]</i> | <i>Moody Kinnick</i> | 4/30/13 | 1628 | Reporting and Detection Limit Requirements: <input type="checkbox"/> RCP Deliverables <input type="checkbox"/> MCP CAM Cert. |
| 3 | <i>[Signature]</i> | <i>Michael Noble</i> | 4/30/13 | 1630 | Additional Comments: RIDEEM R-DEC; see attached memo |
| 4 | <i>[Signature]</i> | <i>Michael Noble</i> | 4/30/13 | 1725 | see attached memo; complete attached OC checklist |



FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201

- 78 Interstate Drive, West Springfield, MA 01089
- 317 Iron Horse Way, Suite 204, Providence, RI 02908
- 80 Washington Street, Suite 301, Poughkeepsie, NY

E304013

CHAIN-OF-CUSTODY RECORD 28828

Turnaround

- 24-Hour* 72-Hour* Other _____ (days)
- 48-Hour* Standard (____ days) *Surcharge Applies

| PROJECT NAME <u>Wonssocket Color Chemical Wonssocket, RI</u> | | PROJECT LOCATION <u>Wonssocket, RI</u> | | PROJECT NUMBER <u>2009153A-A30</u> | | LABORATORY <u>Premier</u> | |
|--|-------------------------------------|---|-------------|---------------------------------------|--------------|------------------------------|----------|
| REPORT TO: <u>Port Dewing</u> | | ANALYSIS REQUEST <u>VOCK BALD TRIP BLANK</u> | | CONTAINERS | | | |
| INVOICE TO: <u>Cynthia Gianfrancesco, RI DEM</u> | | DATE: <u>4/29/13</u> | | | | | |
| P.O. NO.: <u>8412009153A-A30</u> | | | | | | | |
| SAMPLER'S SIGNATURE: | | | | | | | |
| SOURCE CODES: MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete | | | | | | | |
| X=Other <u>Trip Blanks (MeOH, HCl)</u> | | | | | | | |
| Item No. | Transfer Check | Sample Number | Source Code | Date Sampled | Time Sampled | Analysis Request | Comments |
| 11 | <input checked="" type="checkbox"/> | 841130420-11 | S | 4/26/13 | 1320 | HOLD | |
| 12 | <input checked="" type="checkbox"/> | -12 | ↓ | ↓ | 1340 | ✓ | |
| 13 | <input checked="" type="checkbox"/> | -13 | ↓ | ↓ | 1410 | ✓ | |
| 14 | <input checked="" type="checkbox"/> | -14 | ↓ | ↓ | 1430 | ✓ | |
| 15 | <input checked="" type="checkbox"/> | -15 | X | ↓ | 1500 | ✓ | |
| 16 | <input checked="" type="checkbox"/> | -16 | X | ↓ | 1500 | ✓ | |
| 17 | <input checked="" type="checkbox"/> | 841130429-17 | S | 4/29/13 | 0915 | ✓ | |
| 18 | <input checked="" type="checkbox"/> | -18 | ↓ | ↓ | 0930 | ✓ | |
| 19 | <input checked="" type="checkbox"/> | -19 | ↓ | ↓ | 1010 | ✓ | |
| 20 | <input checked="" type="checkbox"/> | -20 | ↓ | ↓ | 1020 | ✓ | |

| Transfer Number | Relinquished By | Accepted By | Date | Time | Charge Exceptions: |
|-----------------|---------------------------|---------------------------|----------------|--------------------|---|
| 1 | | <u>FRD Fridge Freezer</u> | <u>4/26/13</u> | <u>1645 + 1730</u> | <input type="checkbox"/> CT Tax Exempt <input type="checkbox"/> QA/QC <input type="checkbox"/> Other _____ ____ Duplicates <u>2</u> Blanks (Item Nos: <u>15 + 16</u>) |
| 2 | <u>FRD Fridge Freezer</u> | <u>FRD Fridge Freezer</u> | <u>4/30/13</u> | <u>1620</u> | Reporting and Detection Limit Requirements: <input type="checkbox"/> RCP Deliverables <input type="checkbox"/> MCP CAM Cert. |
| 3 | <u>FRD Fridge Freezer</u> | <u>Molly Kowalski</u> | <u>4/30/13</u> | <u>1630</u> | Additional Comments: <u>RIDEM R-DEC; see attached memo</u> |
| 4 | <u>Molly Kowalski</u> | <u>Michael Noble</u> | <u>4/30/13</u> | <u>1725</u> | <u>See attached memo; complete attached OC Checklist</u> |



FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

- 146 Hartford Road, Manchester, CT 06040
- 56 Quarry Road, Trumbull, CT 06611
- 1419 Richland Street, Columbia, SC 29201

- 78 Interstate Drive, West Springfield, MA 01089
- 317 Iron Horse Way, Suite 204, Providence, RI 02908
- 80 Washington Street, Suite 301, Poughkeepsie, NY

E3D4013

CHAIN-OF-CUSTODY RECORD 28829

Turnaround

- 24-Hour* 72-Hour* Other _____ (days)
- 48-Hour* Standard (____ days) *Surcharge Applies

PROJECT NUMBER

PROJECT LOCATION

PROJECT NAME

20091532.A30

Woonsocket Color + Chemical Woonsocket, RI

Woonsocket Color + Chemical

REPORT TO: Rat Dowling
 INVOICE TO: Cynthia Garofano, RI DEM
 P.O. NO.: 84120091532.A30

Sampler's Signature: [Signature] Date: 4/29/13
 Source Codes: PW=Potable Water T=Treatment Facility S=Soil B=Sediment
 MW=Monitoring Well W=Waste A=Air C=Concrete
 SW=Surface Water
 X=Other Top Blank (Meth, HCl)

LABORATORY

Premier

| Analysis Request | Containers |
|----------------------------|---|
| VOC by 8400 TPT by 8400 | Soil VOA Vial <input checked="" type="checkbox"/> methanol |
| | Soil VOA Vial <input type="checkbox"/> water |
| | Glass Soil Container (8) oz <input type="checkbox"/> Na(SO) ₂ |
| | Water VOA Vial <input type="checkbox"/> As Is <input type="checkbox"/> HCl |
| | Glass Amber () ml <input type="checkbox"/> As Is <input type="checkbox"/> H ₂ SO ₄ |
| | Plastic - As Is, <input type="checkbox"/> 250 ml <input type="checkbox"/> 500 <input type="checkbox"/> 1000 ml |
| | Plastic - H ₂ SO ₄ , <input type="checkbox"/> 250 ml <input type="checkbox"/> 500 ml |
| | Plastic - HNO ₃ , 250 ml <input type="checkbox"/> Filtered <input type="checkbox"/> 0.45µ <input type="checkbox"/> 10µ |
| | Plastic - NaOH, 250 ml |
| | Comments |

| Item No. | Transfer Check | | | | Sample Number | Source Code | Date Sampled | Time Sampled | Date | Time |
|----------|----------------|---|---|---|---------------|-------------|--------------|--------------|---------|-------|
| | 1 | 2 | 3 | 4 | | | | | | |
| 21 | ✓ | ✓ | ✓ | ✓ | 84130429-21 | S | 4/29/13 | 1050 | 4/29/13 | 1730 |
| 22 | ✓ | ✓ | ✓ | ✓ | -22 | ↓ | ↓ | 1110 | 4/30/13 | 1628 |
| 23 | ✓ | ✓ | ✓ | ✓ | -23 | ↓ | ↓ | 1250 | 4/30/13 | 1630 |
| 24 | ✓ | ✓ | ✓ | ✓ | -24 | ↓ | ↓ | 1305 | 4/30/13 | 1630 |
| 25 | ✓ | ✓ | ✓ | ✓ | -25 | ↓ | ↓ | 1440 | 4/30/13 | 1630 |
| 26 | ✓ | ✓ | ✓ | ✓ | -26 | ↓ | ↓ | 1505 | 4/30/13 | 1630 |
| 27 | ✓ | ✓ | ✓ | ✓ | -27 | ↓ | ↓ | 1520 | 4/30/13 | 1630 |
| 28 | ✓ | ✓ | ✓ | ✓ | -28 | X | ↓ | 1645 | 4/30/13 | 1630 |
| 29 | ✓ | ✓ | ✓ | ✓ | -29 | X | ↓ | 1645 | 4/30/13 | 17:25 |

Top Blank ↓

| Transfer Number | Relinquished By | Accepted By | Date | Time |
|-----------------|-----------------|---------------|---------|-------|
| 1 | [Signature] | FLO bridge | 4/29/13 | 1730 |
| 2 | [Signature] | [Signature] | 4/30/13 | 1628 |
| 3 | [Signature] | Molly Rand | 4/30/13 | 1630 |
| 4 | [Signature] | Michael Noble | 4/30/13 | 17:25 |

Charge Exceptions: CT Tax Exempt QA/QC Other _____
 _____ Duplicates 2 Blanks (Item Nos: 28 + 29)

Reporting and Detection Limit Requirements: RCP Deliverables MCP CAM Cert.

RIDEM R-DEC ; see attached memo

Additional Comments: 2.8°



MEMORANDUM

TO: Premier Laboratory
FROM: Patrick Dowling
DATE: April 30, 2013
RE: Woonsocket Color & Chemical site
Woonsocket, Rhode Island
F&O Project #: 20091532.A30

Please note the following requirements for the analysis of samples from the Woonsocket Color & Chemical site assessment.

1. Please provide analytical data in GIS/Key electronic data deliverable format to Patrick Dowling at pdowling@fando.com and Steve Hubbs at shubbs@fando.com.
2. Please provide "pdf" versions of laboratory reports via email as soon as data becomes available.
3. Final hardcopy laboratory reports should be mailed to Cynthia Gianfrancesco, Rhode Island Department of Environmental Management, 235 Promenade Street, Providence, RI 02908.
4. Bill should be in accordance with the rates in your Master Price Agreement with RIDEM. Invoices should be mailed to Cynthia Gianfrancesco, Rhode Island Department of Environmental Management, 235 Promenade Street, Providence, RI 02908.
5. Please complete and provide the attached data validation/completeness checklist for each sample delivery group for this project.
6. Laboratory reporting limits must meet the RIDEM Residential Direct Exposure Criteria. Please report results as "J values" where required to meet these regulatory standards.



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|--------------------------|--------------------------|-----------------|
| 1. SDG Project Narratives | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 2. Traffic Report | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Volatiles Data | | | |
| a. Sample Data | | | |
| Target Compound List (TCL) Results | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Reconstructed total ion chromatograms (RIC) for each sample | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of target compounds identified | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Mass spectra of all reported TICs with three best library matches | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Percent solids calculations | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Area Summary | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| c. Raw QC Data | | | |
| Blank Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 4. Semivolatiles Data | | | |
| a. QC Summary | | | |
| Surrogate Percent Recovery Summary | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| MS/MSD Summary | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Method Blank Summary | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tuning and Mass Calibration | <input type="checkbox"/> | <input type="checkbox"/> | _____ |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS
 (Continued)**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|--------------------------|--------------------------|-----------------|
| b. Sample Data | | | |
| TCL Results | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tentatively Identified Compounds | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Reconstructed total ion chromatograms (RIC) for each Sample | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of TCL compounds | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Mass spectra of TICs with 3 best library matches | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| GPC chromatograms (if GPC performed) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| c. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| d. Raw QC Data | | | |
| Decafluorotripbenylphosphine (DFTPP) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Blank Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5. Miscellaneous Data | | | |
| Original preparation and analysis forms or copies of preparation and analysis log book pages | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal sample & sample extract transfer chain-of-custody records | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Screening Records | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| All instrument output, including strip charts from screening activities (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)**

**PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|--------------------------|--------------------------|-----------------|
| 6. Chain-of-Custody Records | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-in Sheet (Lab & DC1) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Miscellaneous Shipping/Receiving Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| _____ | | | |
| 7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| _____ | | | |
| 8. Other Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| _____ | | | |
| 9. Comments: | | | _____ |
| _____ | | | |
| _____ | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: _____
(Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: _____
(Lab) (Signature) (Printed Name/Title) Date

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|-------------------------------------|--------------------------|-----------------|
| 1. SDG Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 2. Traffic Report | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 3. Volatiles Data | | | |
| a. Sample Data | | | |
| Target Compound List (TCL) Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Reconstructed total ion chromatograms (RIC) for each sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of target compounds identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Mass spectra of all reported TICs with three best library matches | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Percent solids calculations | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| b. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Area Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| c. Raw QC Data | | | |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | J |
| 4. Semivolatiles Data | | | |
| a. QC Summary | | | |
| Surrogate Percent Recovery Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| MS/MSD Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Method Blank Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tuning and Mass Calibration | <input type="checkbox"/> | <input type="checkbox"/> | NA |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS
 (Continued)**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| b. Sample Data | | | |
| TCL Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Tentatively Identified Compounds | <input type="checkbox"/> | <input type="checkbox"/> | _____ NA _____ |
| Reconstructed total ion chromatograms (RIC) for each Sample | <input type="checkbox"/> | <input type="checkbox"/> | _____ NA _____ |
| For each sample: Raw spectra and background-subtracted mass spectra of TCL compounds | <input type="checkbox"/> | <input type="checkbox"/> | _____ NA _____ |
| Mass spectra of TICs with 3 best library matches | <input type="checkbox"/> | <input type="checkbox"/> | _____ ↓ _____ |
| GPC chromatograms (if GPC performed) | <input type="checkbox"/> | <input type="checkbox"/> | _____ ↓ _____ |
| c. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal Standard Areas Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| d. Raw QC Data | | | |
| Decafluorotriphenylphosphine (DFTPP) | <input type="checkbox"/> | <input type="checkbox"/> | _____ NA _____ |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ NA _____ |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | _____ ↓ _____ |
| 5. Miscellaneous Data | | | |
| Original preparation and analysis forms or copies of preparation and analysis log book pages | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Internal sample & sample extract transfer chain-of-custody records | <input type="checkbox"/> | <input type="checkbox"/> | _____ NA _____ |
| Screening Records | <input type="checkbox"/> | <input type="checkbox"/> | _____ ↓ _____ |
| All instrument output, including strip charts from screening activities (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ ↓ _____ |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)**

**PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| 6. Chain-of-Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-in Sheet (Lab & DC1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Miscellaneous Shipping/Receiving Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | NA _____ |
| _____ | | | |
| 7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | NA _____ |
| _____ | | | |
| 8. Other Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 9. Comments: | | | _____ |
| _____ | | | |
| _____ | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: Montgomery
(Lab) (Signature)

L. MONTGOMERY
(Printed Name/Title)

6/15/10
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: Montgomery
(Lab) (Signature)

L. MONTGOMERY
(Printed Name/Title)

6/15/10
Date



**Modified Tier II
Data Validation Narrative**

Project: 20091532A30, Woonsocket Color and Chemical

| | |
|---|-------------------------|
| Premier Laboratory Project Number: | <u>E305B37</u> |
| Date Samples Received at Laboratory: | <u>May 13, 2011</u> |
| Date of Review: | <u>December 4, 2013</u> |

Sixteen groundwater samples, including one duplicate sample, were collected and submitted to Premier Laboratory, Inc. (Premier). The samples were analyzed for the following analyte using the designated method:

- Volatile organic compounds (VOC) by the United States Environmental Protection Agency (USEPA) Method 8260.

In addition, two laboratory-supplied hydrochloric acid-preserved trip blanks were submitted for analysis of VOC by USEPA Method 8260. Dedicated sampling equipment was utilized, so equipment blanks and field blanks were not collected during these sampling activities.

No compounds were detected in the trip blanks at concentrations exceeding the laboratory detection limits. Samples were received by the laboratory at 1.9 degrees Celsius, and all samples were analyzed within the method-specific holding times.

As documented in the case narrative included in the analytical report, the following non-conformances were identified during analysis of these samples:

- Recovery of carbon disulfide from laboratory control samples associated with analysis of VOC in two trip blanks (841130508-18 and -19) was above quality control.

Carbon disulfide was not detected at concentrations exceeding laboratory reporting limits in the two trip blanks affected by the laboratory non-conformances. Additionally, carbon disulfide was not identified as a compound of concern for groundwater. Therefore, the non-conformances reported by Premier is not expected to affect the usability of the data.

Relative percent differences (RPDs) calculated using data for the primary and duplicate samples were less than the 30% maximum goal for analytical precision.

Analytical results were compared to the Method 1 GB Groundwater Objectives (GB-GO) promulgated by the Rhode Island Department of Environmental Management. Detection limits were low enough to allow direct comparison to the GB-GO.

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 MODIFIED TIER I COMPLETENESS CHECKLIST**

| | <u>YES</u> | <u>NO</u> |
|---|-------------------------------------|-----------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | |
| Field measurement calibration records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Groundwater field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Soil sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Sediment sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Surface water sampling field measurements (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Low-flow sampling field measurements (if applicable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Documentation of field activities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample numbering and labeling | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicate samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| 2. LABORATORY MEASUREMENTS: | | |
| Trip blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Instrument blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Laboratory control samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Duplicates samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equipment blanks | <input type="checkbox"/> | <input type="checkbox"/> NA |
| Matrix spike/matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> ↓ |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Surrogate recoveries | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Split samples (if any) | <input type="checkbox"/> | <input type="checkbox"/> NA |
| TOTAL: | <u>16</u> | <u>0</u> |

PERCENT COMPLETE: 100 %



GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST

PERFORMED AND, WHERE APPLICABLE,
WITHIN ACCEPTABLE LIMITS?

| | YES | NO | COMMENTS |
|--|-------------------------------------|-------------------------------------|---------------------------------|
| 1. SAMPLING AND FIELD MEASUREMENTS: | | | |
| Field measurement calibration records | | | |
| pH - ± 0.3 pH units | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| S.C. - ± 5% of calibration solution, within? calibration range | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 0.5 °C | <input type="checkbox"/> | <input type="checkbox"/> | Not recorded |
| D.O. - ± 5% of calibration solution | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Groundwater field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Soil sampling field measurements (if applicable) | | | |
| OVM - ± 2 ppm | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| OVA - ± 2 ppm | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Sediment sampling field measurements (if applicable) | | | |
| Descriptive information recorded? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Surface water sampling field measurements (if applicable) | | | |
| Water depth measured to within 0.01 ft.? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Low-flow sampling field measurements (if applicable) | | | |
| S.C. - ± 10% | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| pH - ± 0.2 pH units | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Temperature - ± 10% | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Turbidity - ± 5 NTU | <input type="checkbox"/> | <input checked="" type="checkbox"/> | several did not reach 15 NTU |
| Documentation of field activities | | | |
| Site-specific information documented in field notebook? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Field data sheets completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample numbering and labeling | | | |
| Sample numbering conforms to sample I.D. system identified in QAPP? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | | | |
| Chain-of-Custody forms completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST
 (Continued)**

**PERFORMED AND, WHERE APPLICABLE,
 WITHIN ACCEPTABLE LIMITS?**

| | YES | NO | COMMENTS |
|--|-------------------------------------|-------------------------------------|-----------------|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Duplicate samples | | | |
| Field duplicates performed, 1/20 samples? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Duplicates performed on 10% of samples screened for explosives? | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Is percent difference within 30% for all field parameters? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Equipment blanks | | | |
| Equipment blanks submitted, one per sampling day? | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Any compounds detected in equipment blank? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Split samples (if any) | | | |
| Split samples collected? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |
| Is percent difference within 30% for split samples? | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |

2. LABORATORY MEASUREMENTS:

| | | | |
|--|-------------------------------------|-------------------------------------|---|
| Trip blanks | | | |
| Trip blanks submitted, one per day? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any compounds detected in trip blanks? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Instrument blanks** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Laboratory control samples** | <input type="checkbox"/> | <input checked="" type="checkbox"/> | carbon disulfide above QC for 2 samples → no detects in these |
| Duplicates samples** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Equipment blanks** | <input type="checkbox"/> | <input type="checkbox"/> | NA ↓ |
| Matrix spike/matrix spike duplicates** | <input type="checkbox"/> | <input type="checkbox"/> | |
| Analysis type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Chain-of-Custody records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Surrogate recoveries** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Sample Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Split samples (if any)** | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Most recent EPA WP-PE sample results** | <input type="checkbox"/> | <input type="checkbox"/> | ↓ |

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill, Inc.
317 Iron Horse Way
Suite 204
Providence, RI 02908
Attn: Pat Dowling

Report Number: E305B37
Project: 20091532.A30/ Color and Chem

Received Date: 05/13/2013
Report Date: 05/20/2013



Premier Laboratory, Inc
Authorized Signature



CT DPH #PH-0465
NJ DEP #CT007

EPA #CT00008
NY ELAP #11549

MA DEP #M-CT008
PA DEP #68-04413

ME DHHS #CT0050
RI DOH #LAO00300

NH ELAP #2020
VT DOH #VT11549



101-000000373924

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E305B37
Client: Fuss & O'Neill
Project: 20091532.A30/ Color and Chem

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included, along with a copy of the chain of custody and any subcontracted analyses reports, if applicable, for the sample(s) in this report. Subcontractor results are identified by 'SUB' next to the analysis.

Premier Laboratory, Inc received 18 samples from Fuss & O'Neill on 05/13/2013. The samples were analyzed for the following list of analyses in accordance with RI DOH regulations unless otherwise indicated:

Volatiles by 8260B (GA/GW-1/S-1)
8260B

Non-Conformances:
Work Order:

None

Sample:

None

Analysis:

Sample 17, 841130508-18, Volatiles by 8260B (GA/GW-1/S-1): Carbon disulfide in the Method 8260B laboratory control sample was elevated above the quality control limits. There were no detects in the sample for this compound.

Sample 18, 841130510-19, Volatiles by 8260B (GA/GW-1/S-1): Carbon disulfide in the Method 8260B laboratory control sample was elevated above the quality control limits. There were no detects in the sample for this compound.

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 1
 Sample Description: 841130508-01

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 09:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/17/2013 15:58 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 4
 Lab Data File: Q33041.D
 QC Batch#: 106197

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 40 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 2.0 | ug/L |
| 71-43-2 | Benzene | ND | 4.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 4.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 4.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 4.0 | ug/L |
| 75-25-2 | Bromoform | ND | 4.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 4.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 20 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 4.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 4.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 4.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 4.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 4.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 4.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 4.0 | ug/L |
| 67-66-3 | Chloroform | ND | 4.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 4.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 4.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 4.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 2.0 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 2.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 2.0 | ug/L |
| 74-95-3 | Dibromomethane | ND | 4.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 11 | 4.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 4.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 4.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 4.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 4.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 4.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 4.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 4.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 4.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 4.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 4.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 4.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 4.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 2.0 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 2.0 | ug/L |
| 60-29-7 | Diethyl ether | ND | 4.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 1
 Sample Description: 841130508-01

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 09:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/17/2013 15:58 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 4
 Lab Data File: Q33041.D
 QC Batch#: 106197

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 80 | ug/L |
| 100-41-4 | Ethylbenzene | 360 | 4.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 2.0 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 20 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 4.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 4.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 4.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 20 | ug/L |
| 75-09-2 | Methylene chloride | ND | 20 | ug/L |
| 91-20-3 | Naphthalene | 6.0 | 4.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 4.0 | ug/L |
| 100-42-5 | Styrene | ND | 4.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 4.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 20 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 4.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 4.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 4.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 4.0 | ug/L |
| 108-88-3 | Toluene | ND | 4.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 4.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 4.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 4.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 4.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 4.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 4.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 5.9 | 4.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 5.2 | 4.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 4.0 | ug/L |
| 95-47-6 | o-Xylene | 300 | 4.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 880 | 4.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 99% | 80%-120% | |
| Bromofluorobenzene | 96% | 80%-120% | |
| Toluene-d8 | 99% | 80%-120% | |
| Dibromofluoromethane | 96% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 2
 Sample Description: 841130508-02

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 09:50
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 17:19 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33007.D,Q33042.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 200 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 10 | ug/L |
| 71-43-2 | Benzene | ND | 20 | ug/L |
| 108-86-1 | Bromobenzene | ND | 20 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 20 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 20 | ug/L |
| 75-25-2 | Bromoform | ND | 20 | ug/L |
| 74-83-9 | Bromomethane | ND | 20 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 100 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 20 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 20 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 20 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 20 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 20 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 20 | ug/L |
| 75-00-3 | Chloroethane | ND | 20 | ug/L |
| 67-66-3 | Chloroform | ND | 20 | ug/L |
| 74-87-3 | Chloromethane | ND | 20 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 20 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 20 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 10 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 10 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 10 | ug/L |
| 74-95-3 | Dibromomethane | ND | 20 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 21 | 20 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 20 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 20 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 20 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 20 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 20 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 20 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 20 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 20 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 20 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 20 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 20 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 20 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 10 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 10 | ug/L |
| 60-29-7 | Diethyl ether | ND | 20 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 2
 Sample Description: 841130508-02

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 09:50
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 17:19 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33007.D,Q33042.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 400 | ug/L |
| 100-41-4 | Ethylbenzene | 6500 | 80 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 10 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 100 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 20 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 20 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 20 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 100 | ug/L |
| 75-09-2 | Methylene chloride | ND | 100 | ug/L |
| 91-20-3 | Naphthalene | ND | 20 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 20 | ug/L |
| 100-42-5 | Styrene | ND | 20 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 20 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 100 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 20 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 20 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 20 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 20 | ug/L |
| 108-88-3 | Toluene | 31 | 20 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 20 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 20 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 20 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 20 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 20 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 20 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 30 | 20 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 20 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 20 | ug/L |
| 95-47-6 | o-Xylene | 4600 | 80 | ug/L |
| 108-38-3 | m,p-Xylenes | 23000 | 80 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 80%-120% | |
| Bromofluorobenzene | 92% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 97% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 3
 Sample Description: 841130508-03

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 10:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 16:09 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32981.D,Q33000.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 3
 Sample Description: 841130508-03

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 10:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 16:09 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32981.D,Q33000.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 530 | 5.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 3.0 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 6.4 | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2.5 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 420 | 5.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 1600 | 5.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 93% | 80%-120% | |
| Bromofluorobenzene | 89% | 80%-120% | |
| Toluene-d8 | 96% | 80%-120% | |
| Dibromofluoromethane | 94% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 4
 Sample Description: 841130508-04

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 11:20
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 17:41 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 10
 Lab Data File: Q32985.D,Q33001.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 100 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/L |
| 71-43-2 | Benzene | ND | 10 | ug/L |
| 108-86-1 | Bromobenzene | ND | 10 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 10 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 10 | ug/L |
| 75-25-2 | Bromoform | ND | 10 | ug/L |
| 74-83-9 | Bromomethane | ND | 10 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 50 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 10 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 10 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 10 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 10 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 10 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 10 | ug/L |
| 75-00-3 | Chloroethane | ND | 10 | ug/L |
| 67-66-3 | Chloroform | ND | 10 | ug/L |
| 74-87-3 | Chloromethane | ND | 10 | ug/L |
| 95-49-8 | 2-Chlorotoluene | 55 | 10 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 10 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/L |
| 74-95-3 | Dibromomethane | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 140 | 10 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 10 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 10 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 10 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 10 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 10 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 10 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 10 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 10 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 10 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 10 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 10 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 10 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/L |
| 60-29-7 | Diethyl ether | ND | 10 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 4
 Sample Description: 841130508-04

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 11:20
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 17:41 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 10
 Lab Data File: Q32985.D,Q33001.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 200 | ug/L |
| 100-41-4 | Ethylbenzene | 11000 | 80 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 50 | ug/L |
| 98-82-8 | Isopropylbenzene | 150 | 10 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 10 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 10 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 50 | ug/L |
| 75-09-2 | Methylene chloride | ND | 50 | ug/L |
| 91-20-3 | Naphthalene | 24 | 10 | ug/L |
| 103-65-1 | n-Propylbenzene | 66 | 10 | ug/L |
| 100-42-5 | Styrene | ND | 10 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 10 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 50 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 10 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 10 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 10 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 10 | ug/L |
| 108-88-3 | Toluene | 1200 | 10 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 10 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 10 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 10 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 10 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 10 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 10 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 290 | 10 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 110 | 10 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 10 | ug/L |
| 95-47-6 | o-Xylene | 11000 | 80 | ug/L |
| 108-38-3 | m,p-Xylenes | 32000 | 80 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 94% | 80%-120% | |
| Bromofluorobenzene | 88% | 80%-120% | |
| Toluene-d8 | 94% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 5
 Sample Description: 841130508-05

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 11:55
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 17:42 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33008.D,Q33059.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 200 | 200 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 10 | ug/L |
| 71-43-2 | Benzene | 37 | 20 | ug/L |
| 108-86-1 | Bromobenzene | ND | 20 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 20 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 20 | ug/L |
| 75-25-2 | Bromoform | ND | 20 | ug/L |
| 74-83-9 | Bromomethane | ND | 20 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 100 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 20 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 20 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 20 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 20 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 20 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 20 | ug/L |
| 75-00-3 | Chloroethane | ND | 20 | ug/L |
| 67-66-3 | Chloroform | ND | 20 | ug/L |
| 74-87-3 | Chloromethane | ND | 20 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 20 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 20 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 10 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 10 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 10 | ug/L |
| 74-95-3 | Dibromomethane | ND | 20 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 39 | 20 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 20 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 20 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 20 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 20 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 20 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 20 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 20 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 20 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 20 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 20 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 20 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 20 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 10 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 10 | ug/L |
| 60-29-7 | Diethyl ether | ND | 20 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 5
 Sample Description: 841130508-05

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 11:55
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 17:42 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33008.D,Q33059.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 400 | ug/L |
| 100-41-4 | Ethylbenzene | 17000 | 200 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 10 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 100 | ug/L |
| 98-82-8 | Isopropylbenzene | 270 | 20 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 20 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 20 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 100 | ug/L |
| 75-09-2 | Methylene chloride | ND | 100 | ug/L |
| 91-20-3 | Naphthalene | 100 | 20 | ug/L |
| 103-65-1 | n-Propylbenzene | 120 | 20 | ug/L |
| 100-42-5 | Styrene | ND | 20 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 20 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 100 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 20 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 20 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 20 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 20 | ug/L |
| 108-88-3 | Toluene | 2700 | 20 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 20 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 20 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 20 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 20 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 20 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 20 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 880 | 20 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 370 | 20 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 20 | ug/L |
| 95-47-6 | o-Xylene | 20000 | 200 | ug/L |
| 108-38-3 | m,p-Xylenes | 48000 | 200 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 97% | 80%-120% | |
| Bromofluorobenzene | 89% | 80%-120% | |
| Toluene-d8 | 96% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 6
 Sample Description: 841130508-06

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 12:05
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 18:05 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33009.D,Q33060.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 200 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 10 | ug/L |
| 71-43-2 | Benzene | 38 | 20 | ug/L |
| 108-86-1 | Bromobenzene | ND | 20 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 20 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 20 | ug/L |
| 75-25-2 | Bromoform | ND | 20 | ug/L |
| 74-83-9 | Bromomethane | ND | 20 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 100 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 20 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 20 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 20 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 20 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 20 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 20 | ug/L |
| 75-00-3 | Chloroethane | ND | 20 | ug/L |
| 67-66-3 | Chloroform | ND | 20 | ug/L |
| 74-87-3 | Chloromethane | ND | 20 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 20 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 20 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 10 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 10 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 10 | ug/L |
| 74-95-3 | Dibromomethane | ND | 20 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 38 | 20 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 20 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 20 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 20 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 20 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 20 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 20 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 20 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 20 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 20 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 20 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 20 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 20 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 10 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 10 | ug/L |
| 60-29-7 | Diethyl ether | ND | 20 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 6
 Sample Description: 841130508-06

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 12:05
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 18:05 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33009.D,Q33060.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 400 | ug/L |
| 100-41-4 | Ethylbenzene | 17000 | 200 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 10 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 100 | ug/L |
| 98-82-8 | Isopropylbenzene | 270 | 20 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 20 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 20 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 100 | ug/L |
| 75-09-2 | Methylene chloride | ND | 100 | ug/L |
| 91-20-3 | Naphthalene | 100 | 20 | ug/L |
| 103-65-1 | n-Propylbenzene | 130 | 20 | ug/L |
| 100-42-5 | Styrene | ND | 20 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 20 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 100 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 20 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 20 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 20 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 20 | ug/L |
| 108-88-3 | Toluene | 2700 | 20 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 20 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 20 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 20 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 20 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 20 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 20 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 880 | 20 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 360 | 20 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 20 | ug/L |
| 95-47-6 | o-Xylene | 20000 | 200 | ug/L |
| 108-38-3 | m,p-Xylenes | 48000 | 200 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 99% | 80%-120% | |
| Bromofluorobenzene | 87% | 80%-120% | |
| Toluene-d8 | 96% | 80%-120% | |
| Dibromofluoromethane | 96% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 7
 Sample Description: 841130508-07

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 13:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 18:28 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33010.D,Q33045.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 200 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 10 | ug/L |
| 71-43-2 | Benzene | ND | 20 | ug/L |
| 108-86-1 | Bromobenzene | ND | 20 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 20 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 20 | ug/L |
| 75-25-2 | Bromoform | ND | 20 | ug/L |
| 74-83-9 | Bromomethane | ND | 20 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 100 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 20 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 20 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 20 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 20 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 20 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 20 | ug/L |
| 75-00-3 | Chloroethane | ND | 20 | ug/L |
| 67-66-3 | Chloroform | ND | 20 | ug/L |
| 74-87-3 | Chloromethane | ND | 20 | ug/L |
| 95-49-8 | 2-Chlorotoluene | 120 | 20 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 20 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 10 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 10 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 10 | ug/L |
| 74-95-3 | Dibromomethane | ND | 20 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 100 | 20 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 20 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 20 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 20 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 20 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 20 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 20 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 20 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 20 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 20 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 20 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 20 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 20 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 10 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 10 | ug/L |
| 60-29-7 | Diethyl ether | ND | 20 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 7
 Sample Description: 841130508-07

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 13:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 18:28 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 20
 Lab Data File: Q33010.D,Q33045.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 400 | ug/L |
| 100-41-4 | Ethylbenzene | 8100 | 80 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 10 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 100 | ug/L |
| 98-82-8 | Isopropylbenzene | 100 | 20 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 20 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 20 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 100 | ug/L |
| 75-09-2 | Methylene chloride | ND | 100 | ug/L |
| 91-20-3 | Naphthalene | 23 | 20 | ug/L |
| 103-65-1 | n-Propylbenzene | 44 | 20 | ug/L |
| 100-42-5 | Styrene | ND | 20 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 20 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 100 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 20 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 20 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 20 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 20 | ug/L |
| 108-88-3 | Toluene | 450 | 20 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 20 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 20 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 20 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 20 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 20 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 20 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 270 | 20 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 92 | 20 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 20 | ug/L |
| 95-47-6 | o-Xylene | 10000 | 80 | ug/L |
| 108-38-3 | m,p-Xylenes | 15000 | 80 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 100% | 80%-120% | |
| Bromofluorobenzene | 90% | 80%-120% | |
| Toluene-d8 | 99% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 8
 Sample Description: 841130508-08

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 13:50
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 18:52 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 40
 Lab Data File: Q33011.D,Q33046.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 400 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 20 | ug/L |
| 71-43-2 | Benzene | ND | 40 | ug/L |
| 108-86-1 | Bromobenzene | ND | 40 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 40 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 40 | ug/L |
| 75-25-2 | Bromoform | ND | 40 | ug/L |
| 74-83-9 | Bromomethane | ND | 40 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 200 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 40 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 40 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 40 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 40 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 40 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 40 | ug/L |
| 75-00-3 | Chloroethane | ND | 40 | ug/L |
| 67-66-3 | Chloroform | ND | 40 | ug/L |
| 74-87-3 | Chloromethane | ND | 40 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 40 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 40 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 20 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 20 | ug/L |
| 74-95-3 | Dibromomethane | ND | 40 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 40 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 40 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 40 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 40 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 40 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 40 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 40 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 40 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 40 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 40 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 40 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 40 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 40 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 20 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 20 | ug/L |
| 60-29-7 | Diethyl ether | ND | 40 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 8
 Sample Description: 841130508-08

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 13:50
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 18:52 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 40
 Lab Data File: Q33011.D,Q33046.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 800 | ug/L |
| 100-41-4 | Ethylbenzene | 11000 | 200 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 20 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 200 | ug/L |
| 98-82-8 | Isopropylbenzene | 170 | 40 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 40 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 40 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 200 | ug/L |
| 75-09-2 | Methylene chloride | ND | 200 | ug/L |
| 91-20-3 | Naphthalene | 64 | 40 | ug/L |
| 103-65-1 | n-Propylbenzene | 72 | 40 | ug/L |
| 100-42-5 | Styrene | ND | 40 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 40 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 200 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 40 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 40 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 40 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 20 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 40 | ug/L |
| 108-88-3 | Toluene | 2200 | 40 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 40 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 40 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 40 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 40 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 40 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 40 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 460 | 40 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 200 | 40 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 40 | ug/L |
| 95-47-6 | o-Xylene | 9800 | 200 | ug/L |
| 108-38-3 | m,p-Xylenes | 23000 | 200 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 98% | 80%-120% | |
| Bromofluorobenzene | 90% | 80%-120% | |
| Toluene-d8 | 99% | 80%-120% | |
| Dibromofluoromethane | 94% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 9
 Sample Description: 841130508-09

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 14:30
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 18:04 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 10
 Lab Data File: Q32986.D,Q33002.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 100 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/L |
| 71-43-2 | Benzene | ND | 10 | ug/L |
| 108-86-1 | Bromobenzene | ND | 10 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 10 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 10 | ug/L |
| 75-25-2 | Bromoform | ND | 10 | ug/L |
| 74-83-9 | Bromomethane | ND | 10 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 50 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 10 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 10 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 10 | ug/L |
| 75-15-0 | Carbon disulfide | 180 | 10 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 10 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 10 | ug/L |
| 75-00-3 | Chloroethane | ND | 10 | ug/L |
| 67-66-3 | Chloroform | ND | 10 | ug/L |
| 74-87-3 | Chloromethane | ND | 10 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 10 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 10 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/L |
| 74-95-3 | Dibromomethane | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 34 | 10 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 10 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 10 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 10 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 10 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 10 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 10 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 10 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 10 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 10 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 10 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 10 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 10 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/L |
| 60-29-7 | Diethyl ether | ND | 10 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 9
 Sample Description: 841130508-09

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 14:30
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 18:04 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 10
 Lab Data File: Q32986.D,Q33002.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 200 | ug/L |
| 100-41-4 | Ethylbenzene | 2200 | 20 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 50 | ug/L |
| 98-82-8 | Isopropylbenzene | 71 | 10 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 11 | 10 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 10 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 50 | ug/L |
| 75-09-2 | Methylene chloride | ND | 50 | ug/L |
| 91-20-3 | Naphthalene | 10 | 10 | ug/L |
| 103-65-1 | n-Propylbenzene | 29 | 10 | ug/L |
| 100-42-5 | Styrene | ND | 10 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 10 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 50 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 10 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 10 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 10 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 10 | ug/L |
| 108-88-3 | Toluene | 110 | 10 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 10 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 10 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 10 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 10 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 10 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 10 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 140 | 10 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 51 | 10 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 10 | ug/L |
| 95-47-6 | o-Xylene | 1300 | 10 | ug/L |
| 108-38-3 | m,p-Xylenes | 1900 | 10 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 92% | 80%-120% | |
| Bromofluorobenzene | 90% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 93% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 10
 Sample Description: 841130508-10

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 15:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 16:32 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32982.D,Q33003.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | 12 | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 2.9 | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 6.6 | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19 | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 10
 Sample Description: 841130508-10

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 15:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 16:32 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32982.D,Q33003.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 1200 | 8.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 22 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 1.1 | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | 3.6 | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | 9.7 | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | 250 | 8.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.7 | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 32 | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 61 | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2.8 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 680 | 8.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 1400 | 8.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 93% | 80%-120% | |
| Bromofluorobenzene | 86% | 80%-120% | |
| Toluene-d8 | 92% | 80%-120% | |
| Dibromofluoromethane | 96% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 11
 Sample Description: 841130508-12

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 15:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 18:27 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 10
 Lab Data File: Q32987.D,Q33004.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | 100 | 100 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 5.0 | ug/L |
| 71-43-2 | Benzene | 21 | 10 | ug/L |
| 108-86-1 | Bromobenzene | ND | 10 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 10 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 10 | ug/L |
| 75-25-2 | Bromoform | ND | 10 | ug/L |
| 74-83-9 | Bromomethane | ND | 10 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 50 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 10 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 10 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 10 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 10 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 10 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 10 | ug/L |
| 75-00-3 | Chloroethane | ND | 10 | ug/L |
| 67-66-3 | Chloroform | ND | 10 | ug/L |
| 74-87-3 | Chloromethane | ND | 10 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 10 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 10 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 5.0 | ug/L |
| 74-95-3 | Dibromomethane | ND | 10 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 10 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 10 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 10 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 10 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 10 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 10 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 10 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 10 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 10 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 10 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 10 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 10 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 10 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | ug/L |
| 60-29-7 | Diethyl ether | ND | 10 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 11
 Sample Description: 841130508-12

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 15:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 18:27 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 10
 Lab Data File: Q32987.D,Q33004.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 200 | ug/L |
| 100-41-4 | Ethylbenzene | 3600 | 40 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 50 | ug/L |
| 98-82-8 | Isopropylbenzene | 42 | 10 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 10 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 10 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 50 | ug/L |
| 75-09-2 | Methylene chloride | ND | 50 | ug/L |
| 91-20-3 | Naphthalene | 26 | 10 | ug/L |
| 103-65-1 | n-Propylbenzene | 19 | 10 | ug/L |
| 100-42-5 | Styrene | ND | 10 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 10 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 50 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 10 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 10 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 10 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 10 | ug/L |
| 108-88-3 | Toluene | 610 | 10 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 10 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 10 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 10 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 10 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 10 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 10 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 170 | 10 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 53 | 10 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 10 | ug/L |
| 95-47-6 | o-Xylene | 3100 | 40 | ug/L |
| 108-38-3 | m,p-Xylenes | 6400 | 40 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 94% | 80%-120% | |
| Bromofluorobenzene | 91% | 80%-120% | |
| Toluene-d8 | 98% | 80%-120% | |
| Dibromofluoromethane | 94% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 12
 Sample Description: 841130510-13

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 14:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 13:28 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32997.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 12
 Sample Description: 841130510-13

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 14:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 13:28 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32997.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 102% | 80%-120% | |
| Bromofluorobenzene | 93% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 98% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 13
 Sample Description: 841130510-14

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 15:30
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 19:15 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 40
 Lab Data File: Q33012.D,Q33047.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 400 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 20 | ug/L |
| 71-43-2 | Benzene | ND | 40 | ug/L |
| 108-86-1 | Bromobenzene | ND | 40 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 40 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 40 | ug/L |
| 75-25-2 | Bromoform | ND | 40 | ug/L |
| 74-83-9 | Bromomethane | ND | 40 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 200 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 40 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 40 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 40 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 40 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 40 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 40 | ug/L |
| 75-00-3 | Chloroethane | ND | 40 | ug/L |
| 67-66-3 | Chloroform | ND | 40 | ug/L |
| 74-87-3 | Chloromethane | ND | 40 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 40 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 40 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 20 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 20 | ug/L |
| 74-95-3 | Dibromomethane | ND | 40 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 40 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 40 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 40 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 40 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 40 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 40 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 40 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 40 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 40 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 40 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 40 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 40 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 40 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 20 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 20 | ug/L |
| 60-29-7 | Diethyl ether | ND | 40 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 13
 Sample Description: 841130510-14

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 15:30
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 19:15 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 40
 Lab Data File: Q33012.D,Q33047.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 800 | ug/L |
| 100-41-4 | Ethylbenzene | 12000 | 200 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 20 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 200 | ug/L |
| 98-82-8 | Isopropylbenzene | 160 | 40 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 40 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 40 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 200 | ug/L |
| 75-09-2 | Methylene chloride | ND | 200 | ug/L |
| 91-20-3 | Naphthalene | 140 | 40 | ug/L |
| 103-65-1 | n-Propylbenzene | 120 | 40 | ug/L |
| 100-42-5 | Styrene | ND | 40 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 40 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 200 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 40 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 40 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 40 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 20 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 40 | ug/L |
| 108-88-3 | Toluene | 740 | 40 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 40 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 40 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 40 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 40 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 40 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 40 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1100 | 40 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 480 | 40 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 40 | ug/L |
| 95-47-6 | o-Xylene | 15000 | 200 | ug/L |
| 108-38-3 | m,p-Xylenes | 34000 | 200 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 99% | 80%-120% | |
| Bromofluorobenzene | 90% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 94% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 14
 Sample Description: 841130510-15

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 16:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 19:38 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 40
 Lab Data File: Q33013.D,Q33048.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|-----|-------|
| 67-64-1 | Acetone | ND | 400 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 20 | ug/L |
| 71-43-2 | Benzene | ND | 40 | ug/L |
| 108-86-1 | Bromobenzene | ND | 40 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 40 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 40 | ug/L |
| 75-25-2 | Bromoform | ND | 40 | ug/L |
| 74-83-9 | Bromomethane | ND | 40 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 200 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 40 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 40 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 40 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 40 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 40 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 40 | ug/L |
| 75-00-3 | Chloroethane | ND | 40 | ug/L |
| 67-66-3 | Chloroform | ND | 40 | ug/L |
| 74-87-3 | Chloromethane | ND | 40 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 40 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 40 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 20 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 20 | ug/L |
| 74-95-3 | Dibromomethane | ND | 40 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 40 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 40 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 40 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 40 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 40 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 40 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 40 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 40 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 40 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 40 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 40 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 40 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 40 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 20 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 20 | ug/L |
| 60-29-7 | Diethyl ether | ND | 40 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 14
 Sample Description: 841130510-15

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 16:10
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 19:38 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 40
 Lab Data File: Q33013.D,Q33048.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|-----|-------|
| 123-91-1 | 1,4-Dioxane | ND | 800 | ug/L |
| 100-41-4 | Ethylbenzene | 12000 | 200 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 20 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 200 | ug/L |
| 98-82-8 | Isopropylbenzene | 230 | 40 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 40 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 40 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 200 | ug/L |
| 75-09-2 | Methylene chloride | ND | 200 | ug/L |
| 91-20-3 | Naphthalene | 67 | 40 | ug/L |
| 103-65-1 | n-Propylbenzene | 92 | 40 | ug/L |
| 100-42-5 | Styrene | ND | 40 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 40 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 200 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 40 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 40 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 40 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 20 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 40 | ug/L |
| 108-88-3 | Toluene | 720 | 40 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 40 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 40 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 40 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 40 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 40 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 40 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 510 | 40 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 210 | 40 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 40 | ug/L |
| 95-47-6 | o-Xylene | 15000 | 200 | ug/L |
| 108-38-3 | m,p-Xylenes | 33000 | 200 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 99% | 80%-120% | |
| Bromofluorobenzene | 90% | 80%-120% | |
| Toluene-d8 | 100% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 15
 Sample Description: 841130510-16

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 16:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 20:01 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 100
 Lab Data File: Q33014.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 1000 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 50 | ug/L |
| 71-43-2 | Benzene | ND | 100 | ug/L |
| 108-86-1 | Bromobenzene | ND | 100 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 100 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 100 | ug/L |
| 75-25-2 | Bromoform | ND | 100 | ug/L |
| 74-83-9 | Bromomethane | ND | 100 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 500 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 100 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 100 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 100 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 100 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 100 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 100 | ug/L |
| 75-00-3 | Chloroethane | ND | 100 | ug/L |
| 67-66-3 | Chloroform | ND | 100 | ug/L |
| 74-87-3 | Chloromethane | ND | 100 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 100 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 100 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 100 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 100 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 100 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 100 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 100 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 100 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 100 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 100 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 100 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 100 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 100 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 100 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 100 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 100 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 100 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 15
 Sample Description: 841130510-16

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 16:40
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/16/2013 20:01 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 100
 Lab Data File: Q33014.D
 QC Batch#: 106170

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 2000 | ug/L |
| 100-41-4 | Ethylbenzene | 5400 | 100 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 500 | ug/L |
| 98-82-8 | Isopropylbenzene | 140 | 100 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 100 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 100 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 500 | ug/L |
| 75-09-2 | Methylene chloride | ND | 500 | ug/L |
| 91-20-3 | Naphthalene | 160 | 100 | ug/L |
| 103-65-1 | n-Propylbenzene | 120 | 100 | ug/L |
| 100-42-5 | Styrene | ND | 100 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 100 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 500 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 100 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 100 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 100 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 100 | ug/L |
| 108-88-3 | Toluene | 210 | 100 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 100 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 100 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 100 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 100 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 100 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 100 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1400 | 100 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 610 | 100 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 100 | ug/L |
| 95-47-6 | o-Xylene | 7800 | 100 | ug/L |
| 108-38-3 | m,p-Xylenes | 16000 | 100 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 99% | 80%-120% | |
| Bromofluorobenzene | 92% | 80%-120% | |
| Toluene-d8 | 101% | 80%-120% | |
| Dibromofluoromethane | 94% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 16
 Sample Description: 841130510-17

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 17:15
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 17:18 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32984.D,Q33005.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 62 | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 2.9 | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 11 | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 16
 Sample Description: 841130510-17

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 17:15
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/15/2013 17:18 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32984.D,Q33005.D
 QC Batch#: 106091

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | 120 | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 29 | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | 10 | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | 21 | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | 28 | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | 1.6 | 1.0 | ug/L |
| 108-88-3 | Toluene | 4.0 | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 7.3 | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 350 | 4.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 11 | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | 180 | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | 160 | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 92% | 80%-120% | |
| Bromofluorobenzene | 92% | 80%-120% | |
| Toluene-d8 | 99% | 80%-120% | |
| Dibromofluoromethane | 96% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 17
 Sample Description: 841130508-18

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 16:00
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/14/2013 13:40 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32943.D
 QC Batch#: 106074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 17
 Sample Description: 841130508-18

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/08/2013 16:00
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/14/2013 13:40 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32943.D
 QC Batch#: 106074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 93% | 80%-120% | |
| Bromofluorobenzene | 92% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 18
 Sample Description: 841130510-19

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 17:20
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/14/2013 14:02 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32944.D
 QC Batch#: 106074

| CAS No. | Parameter | Result | DL | Units |
|------------|------------------------------------|--------|------|-------|
| 67-64-1 | Acetone | ND | 10 | ug/L |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ug/L |
| 71-43-2 | Benzene | ND | 1.0 | ug/L |
| 108-86-1 | Bromobenzene | ND | 1.0 | ug/L |
| 74-97-5 | Bromochloromethane | ND | 1.0 | ug/L |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | ug/L |
| 75-25-2 | Bromoform | ND | 1.0 | ug/L |
| 74-83-9 | Bromomethane | ND | 1.0 | ug/L |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ug/L |
| 104-51-8 | n-Butylbenzene | ND | 1.0 | ug/L |
| 135-98-8 | sec-Butylbenzene | ND | 1.0 | ug/L |
| 98-06-6 | tert-Butylbenzene | ND | 1.0 | ug/L |
| 75-15-0 | Carbon disulfide | ND | 1.0 | ug/L |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | ug/L |
| 108-90-7 | Chlorobenzene | ND | 1.0 | ug/L |
| 75-00-3 | Chloroethane | ND | 1.0 | ug/L |
| 67-66-3 | Chloroform | ND | 1.0 | ug/L |
| 74-87-3 | Chloromethane | ND | 1.0 | ug/L |
| 95-49-8 | 2-Chlorotoluene | ND | 1.0 | ug/L |
| 106-43-4 | 4-Chlorotoluene | ND | 1.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 0.50 | ug/L |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ug/L |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/L |
| 74-95-3 | Dibromomethane | ND | 1.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 75-71-8 | Dichlorodifluoromethane | ND | 1.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | ug/L |
| 142-28-9 | 1,3-Dichloropropane | ND | 1.0 | ug/L |
| 594-20-7 | 2,2-Dichloropropane | ND | 1.0 | ug/L |
| 563-58-6 | 1,1-Dichloropropene | ND | 1.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ug/L |
| 60-29-7 | Diethyl ether | ND | 1.0 | ug/L |

Premier Laboratory, Inc

Analytical Data Report

Report No: E305B37
 Sample No: 18
 Sample Description: 841130510-19

Customer: Fuss & O'Neill
 Project: 20091532.A30/ Color and Chem

Date Collected: 05/10/2013 17:20
 Date Received: 05/13/2013 14:52
 Date Analyzed: 05/14/2013 14:02 By: AMH
 Analytical Method: 8260B

Matrix: Aqueous
 Percent Moisture: N/A
 Dilution Factor: 1
 Lab Data File: Q32944.D
 QC Batch#: 106074

| CAS No. | Parameter | Result | DL | Units |
|-----------|---------------------------------------|--------|------|-------|
| 123-91-1 | 1,4-Dioxane | ND | 20 | ug/L |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ug/L |
| 591-78-6 | 2-Hexanone | ND | 5.0 | ug/L |
| 98-82-8 | Isopropylbenzene | ND | 1.0 | ug/L |
| 99-87-6 | 4-Isopropyltoluene | ND | 1.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | 1.0 | ug/L |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | ug/L |
| 75-09-2 | Methylene chloride | ND | 5.0 | ug/L |
| 91-20-3 | Naphthalene | ND | 1.0 | ug/L |
| 103-65-1 | n-Propylbenzene | ND | 1.0 | ug/L |
| 100-42-5 | Styrene | ND | 1.0 | ug/L |
| 109-99-9 | Tetrahydrofuran | ND | 1.0 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | ND | 5.0 | ug/L |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 1.0 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L |
| 127-18-4 | Tetrachloroethene (PCE) | ND | 1.0 | ug/L |
| 108-88-3 | Toluene | ND | 1.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| 79-01-6 | Trichloroethene (TCE) | ND | 1.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| 75-01-4 | Vinyl chloride | ND | 1.0 | ug/L |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/L |
| 108-38-3 | m,p-Xylenes | ND | 1.0 | ug/L |

| Sample QC | | | |
|-----------------------|----------|-----------|--|
| Surrogate | Recovery | QC Limits | |
| 1,2-Dichloroethane-d4 | 93% | 80%-120% | |
| Bromofluorobenzene | 93% | 80%-120% | |
| Toluene-d8 | 102% | 80%-120% | |
| Dibromofluoromethane | 95% | 80%-120% | |



FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

146 Hartford Road, Manchester, CT 06040
 56 Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089
 317 Iron Horse Way, Suite 204, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY

Other _____

E305B37

CHAIN-OF-CUSTODY RECORD 28866

Turnaround

24-Hour* 72-Hour* Other _____ (days)
 48-Hour* Standard (____ days) *Surcharge Applies

| | | | | | | | |
|---|---------------------------|--|-------------|---------------------------------------|--------------|---|------------|
| PROJECT NAME <i>Color + Chemical</i> | | PROJECT LOCATION <i>Woonsocket RI</i> | | PROJECT NUMBER <i>20091532-A30</i> | | LABORATORY <i>Premier Containers</i> | |
| REPORT TO: <i>Pat Dowling</i> | | | | Analysis Request | | | |
| INVOICE TO: <i>Cynthia Granderson, RI DEM</i> | | | | | | | |
| P.O. NO.: <i>84120091532A30</i> | | | | | | | |
| Sampler's Signature: <i>[Signature]</i> Date: <i>5/10/13</i> | | | | | | | |
| Source Codes: MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete X=Other _____ | | | | | | | |
| Item No. | Transfer Check 1 2 3 4 | Sample Number | Source Code | Date Sampled | Time Sampled | | Comments |
| 11 | ✓ ✓ ✓ | 841130508-12 | MW | 5/8/13 | 1540 | ✓ | |
| 12 | ✓ ✓ ✓ | 841130510-13 | | 5/10/13 | 1440 | ✓ | |
| 13 | ✓ ✓ ✓ | -14 | | | 1530 | ✓ | |
| 14 | ✓ ✓ ✓ | -15 | | | 1610 | ✓ | |
| 15 | ✓ ✓ ✓ | -16 | | | 1640 | ✓ | |
| 16 | ✓ ✓ ✓ | -17 | | | 1715 | ✓ | |
| 17 | ✓ ✓ ✓ | 841130508-18 | X | 5/8/13 | 1600 | ✓ | Trip Blank |
| 18 | ✓ ✓ ✓ | 841130510-19 | X | 5/10/13 | 1720 | ✓ | Trip Blank |

VOC by 8260

Soil VOA Vial, methanol
Soil VOA Vial, water
Glass Soil Container () or
Other:
Water VOA Vial, As is HCl
Glass Amber () ml, As is H₂SO₄
Plastic - As is, 250 ml 500 1000 ml
Plastic - H₂SO₄, 250 ml 500 ml
Plastic - HNO₃, 250 ml Filtered 0.45µ 10µ

| Transfer Number | Relinquished By | Accepted By | Date | Time | Charge Exceptions: <input type="checkbox"/> CT Tax Exempt <input type="checkbox"/> QA/QC <input type="checkbox"/> Other _____ _____ Duplicates <u>2</u> Blanks (Item Nos: <i>-18, 19</i>) |
|-----------------|--------------------|----------------------|---------|------|---|
| 1 | <i>[Signature]</i> | <i>[Signature]</i> | 5/8/13 | 1630 | Reporting and Detection Limit Requirements: <input type="checkbox"/> RCP Deliverables <input type="checkbox"/> MCP CAM Cert. <i>RI 48-60</i> Additional Comments: <i>see attached memo; complete checklist</i> |
| 2 | <i>[Signature]</i> | <i>[Signature]</i> | 5/10/13 | 1800 | |
| 3 | <i>[Signature]</i> | <i>[Signature]</i> | 5/13/13 | 0930 | |
| 4 | <i>[Signature]</i> | <i>Michael Noble</i> | 5/13/13 | 1452 | |

190



**GENERIC QUALITY ASSURANCE PROJECT PLAN
 FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
 ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE
 APPLICABLE, WITHIN ACCEPTABLE
 LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|---|-------------------------------------|--------------------------|-----------------|
| 1. SDG Project Narratives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Traffic Report | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| 3. Volatiles Data | | | |
| a. Sample Data | | | |
| Target Compound List (TCL) Results | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Reconstructed total ion chromatograms (RIC) for each sample | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of target compounds identified | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Mass spectra of all reported TICs with three best library matches | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Percent solids calculations | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| b. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Continuing Calibration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| RICs and Quan Reports for all Standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Internal Standard Area Summary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| c. Raw QC Data | | | |
| Blank Data | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| 4. Semivolatiles Data | | | |
| a. QC Summary | | | |
| Surrogate Percent Recovery Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| MS/MSD Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Method Blank Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Tuning and Mass Calibration | <input type="checkbox"/> | <input type="checkbox"/> | NA |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)**

**PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS?*****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| b. Sample Data | | | |
| TCL Results | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Tentatively Identified Compounds | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Reconstructed total ion chromatograms (RIC) for each Sample | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| For each sample: | | | |
| Raw spectra and background-subtracted mass spectra of TCL compounds | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Mass spectra of TICs with 3 best library matches | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| GPC chromatograms (if GPC performed) | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| c. Standards Data (all instruments) | | | |
| Initial Calibration Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| RICs and Quan Reports for all Standards | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Continuing Calibration | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| RICs and Quan Reports for all Standards | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Internal Standard Areas Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Internal Standard Areas Summary | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| d. Raw QC Data | | | |
| Decafluorotriphenylphosphine (DFTPP) | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Blank Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Matrix Spike Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Matrix Spike Duplicate Data | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| 5. Miscellaneous Data | | | |
| Original preparation and analysis forms or copies of preparation and analysis log book pages | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Internal sample & sample extract transfer chain-of custody records | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| Screening Records | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| All instrument output, including strip charts from screening activities (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | NA |



**GENERIC QUALITY ASSURANCE PROJECT PLAN
FOR PROJECTS IN CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST
ORGANIC COMPOUNDS
(Continued)**

**PERFORMED AND, WHERE
APPLICABLE, WITHIN ACCEPTABLE
LIMITS? ****

| | <u>YES</u> | <u>NO</u> | <u>COMMENTS</u> |
|--|-------------------------------------|--------------------------|-----------------|
| 6. Chain-of-Custody Records | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Sample Log-in Sheet (Lab & DC1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| Miscellaneous Shipping/Receiving Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | NA |
| _____ | | | |
| 8. Other Records (describe or list) | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| _____ | | | |
| 9. Comments: | | | _____ |
| _____ | | | |
| _____ | | | |

** See laboratory Quality Assurance Plan for limits.

Completed by: L. Montgomery 6/28/13
 (Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: L. Montgomery 6/28/13
 (Lab) (Signature) (Printed Name/Title) Date