Rice, Tami [DNR]

From: Rice, Tami [DNR]
Sent: Friday, January 07, 2011 10:01 AM
To: 'Wilson, Douglas F'
Subject: RE: IDNR Review - Limited Site Investigation Report - 315 E Ave

Doug,

The Department has received the Phase II Environmental Assessment (ESA) for 315 E Ave NW. We will provide a response after our review is complete.

Thank you,
Tami

Tami S. Rice
Environmental Specialist Senior
Contaminated Sites Section
Iowa Dept. of Natural Resources
502 East 9th Street
Des Moines, Iowa 50319
Ph: (515) 281-4420
Fax: (515) 281-8895


Be Green - Please don't print this email unless necessary!

From: Wilson, Douglas F [mailto:D.Wilson@cedar-rapids.org]
Sent: Wednesday, January 05, 2011 10:48 AM
To: Rice, Tami [DNR]
Cc: Dave Hennen; Schirm, Amy E.
Subject: FW: IDNR Review - Limited Site Investigation Report - 315 E Ave

Tami:

Please find attached the Phase II Environmental Assessment(ESA) for 315 E Ave NW. The City of Cedar Rapids request that the Iowa Department of Natural Resources review the attached Phase II ESA and provide comment. In my previous e-mail I referenced this property but you only received the Phase II for 301 E Ave.

Thank you for your time and assistance.

Doug Wilson, PE
Capital Improvement Project Manager, Public Works Department
1201 6th Street SW
Cedar Rapids, IA 52404
Ph: 319-286-5802
fax: 319-286-5801
email: D.Wilson@cedar-rapids.org

From: Dave Hennen [mailto:dhennen@prosourcetech.com]
Sent: Wednesday, January 05, 2011 9:56 AM
To: Wilson, Douglas F
Subject: IDNR Review - Limited Site Investigation Report - 315 E Ave

Doug,

The Limited Site Investigation for the property at 315 E Ave did not recommend No Further Action, therefore this report should be submitted to the IDNR for review. I have included the report and the recommendations letter provided by the consultant.

If possible, please request that the IDNR review the reports for the following four properties together:

301 E Ave NW
314 E Ave NW
315 E Ave NW
310 B Ave NW

Let me know if you have any questions.

Thank you,

David Hennen | Director of Environmental Services
ProSource Technologies, Inc. | dhennen@prosourcetech.com
763.786.1445 | cell 763.458.8192 | fax 763.786.1030

Terracon

December 30, 2010

Mr. Mark DeMeulenaere
SFD, LLC
600 1st Avenue NW
Cedar Rapids, Iowa 52405

Telephone: (319) 368-7779
Facsimile: (319) 297-7281

Re: Limited Site Investigation Report – September 17, 2010
315 E Avenue NW Cedar Rapids, Linn County, Iowa
Terracon Project 06107062

Dear Mr. DeMeulenaere:

At the request of ProSource Technologies, Inc., Terracon Consultants, Inc. (Terracon) is pleased to submit the following recommendations relative to the referenced report:

- Terracon recommends consultation with an environmental attorney regarding any potential reporting obligations and potential liability issues in connection with constituents detected in the on-site soil and groundwater during this investigation and how it may affect your landowner liability protections. Should legal counsel recommend reporting the identification of chemicals of concern discovered during this LSI, it is likely that the Iowa Department of Natural Resources may request some additional subsurface investigations to further characterize our findings both vertically and horizontally.

- If the soil and groundwater located on the site are to be disturbed during future excavations/demolitions or construction activities for redevelopment, proper procedures should be followed with respect to worker health and safety, and any affected soil or groundwater encountered should be properly characterized, treated and/or disposed in accordance with applicable local, state or federal regulations.

- Concentrations of chemicals in soil and groundwater were detected in the samples analyzed from the site. The client should understand the limitations of this data. Confirmation of chemical constituents in the subsurface through the LSI indicates chemicals of concern have been released in or around the area of question. Fate & transport of chemicals in the subsurface can vary significantly across a given site. Additional testing would be required to define the extent of the chemicals of concern in the subsurface and risks associated with these chemicals to the site.

The environmental findings resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this investigation. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

If you have any questions regarding the report or the contents of this letter, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Kirk R. Johnson, P.G.
Environmental Project Manager

for Jerry W. Haile, P.G.
Environmental Department Manager

N:\Projects\2010\06107062\wp\314 E Ave Letter.DRS.JWH.doc

Limited Site Investigation Report

315 E Avenue NW
Cedar Rapids, Iowa
September 17, 2010
Terracon Project No. 06107062

Prepared for:
SFD, LLC
600 1st Avenue NW
Cedar Rapids, Iowa 52405

Prepared by:
Terracon Consultants, Inc.
Cedar Rapids, Iowa

September 17, 2010

Mr. Mark DeMeulenaere
SFD, LLC
600 1st Avenue NW
Cedar Rapids, Iowa 52405

Telephone: (319) 368-7779
Facsimile: (319) 297-7281

Re: Limited Site Investigation Report
SFD, LLC
315 E Avenue NW
Cedar Rapids, Linn County, Iowa
Terracon Project 06107062

Dear Mr. DeMeulenaere:

Terracon Consultants, Inc. (Terracon) is pleased to submit this limited site investigation (LSI) report for the above referenced site. This investigation was performed in accordance with Terracon's Proposal P06100472 dated August 10, 2010.

We appreciate the opportunity to perform these services for you. Please contact us if you have questions regarding this information or if we can provide any other services.

Sincerely,
Terracon Consultants, Inc.

Kirk R. Johnson, P.G.
Project Manager

Jerry W. Haile, P.G.
Environmental Department Manager

SKZ/JWH/DRS: N:\Projects\2010\06107062\wp\06107062 315 E Ave NW Final LSI.docx
Copies: 2 – Client

TABLE OF CONTENTS

LIMITED SITE INVESTIGATION REPORT

SFD, LLC
315 E Avenue NW
Cedar Rapids, Iowa 52404

Terracon Project 06107062
September 17, 2010

1.0 INTRODUCTION

Terracon conducted a Limited Site Investigation (LSI) at the SFD, LLC property located at 315 E Avenue NW in Cedar Rapids, Linn County, Iowa. This investigation, which was conducted in general accordance with Terracon Proposal P06100472 dated August 10, 2010, was performed concurrently with three other sites for the client at 301 and 314 E Avenue NW and 310 B Avenue NW in Cedar Rapids. The investigation was performed on August 17, 2010. A topographic map is included as Figure 1 and a site plan is included as Figure 2 of Appendix A.

1.1 Scope of Work

At your request, Terracon's LSI was undertaken to address potential recognized environmental conditions (RECs) indentified in the Phase I Environmental Site Assessment (ESA) conducted by Howard R Green Company (HR Green) in July 2010. The Phase I ESA indentified the following RECs:

On-Site:

- Historical city directories indicate the subject property was formerly "Fashion Cleaners," a dry cleaner from approximately 1958 to 1973.

Off-Site:

- The historical use of the adjacent to the west of the subject property represents a REC. The 1988 city directory listed the building at 331 E Avenue NW as a pesticide distributor. Based on the inferred groundwater flow direction to the east–southeast, the historical use of this adjacent property has the potential to impact site soil and/or groundwater of the subject property.
- The historical use of the property approximately 0.03 miles to the east of the subject property represents a REC. From 1926-1937 city directories listed the property at 301 E Ave NW as "E Ave Garage", an auto body shop. Based on this sites proximity to the subject property, the historical use of this nearby property has the potential to impact soil or groundwater of the subject property.

The objective of the LSI is to evaluate the potential presence/absence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total extractable hydrocarbons

(TEH), and pesticides above laboratory reporting limits in the on-site soil and groundwater as a result of the former on- and off-site activities, as discussed above.

1.2 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal.

1.3 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

It must be noted that this evaluation does not constitute a risk assessment pursuant to definitions and protocols of the Comprehensive Environmental Recovery, Conservation and Liability Act (CERCLA) or Superfund.

1.4 Reliance

This report has been prepared for the exclusive use of SFD, LLC and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of SFD, LLC and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, LSI report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

2.0 FIELD ACTIVITIES

2.1 Borings and Monitoring Wells

Terracon's field activities were conducted on August 17, 2010. A total of two soil borings were advanced on-site using a track-mounted Geoprobe® rig featuring direct push technology. The borings were advanced to 16 feet below ground surface (bgs). The borings were placed in the following locations on the site.

- Boring B-4 was advanced approximately 15 feet east of on-site building elbow.
- Boring B-5 was advanced approximately 10 feet south of the southwest corner of the onsite building.

Figure 1 in Appendix A presents the general boundaries and topography of the site on portions of the United States Geological Survey (USGS) topographic map of Cedar Rapids, IA Quad. Figure 2 in Appendix A is a site plan that indicates the approximate locations of the soil borings in relation to the pertinent structures and general site boundaries.

The Geoprobe® rig and down hole sampling equipment was cleaned using an Alconox® detergent wash and potable water prior to beginning the project and before collecting each soil sample.

Soil samples were collected continuously to document lithology, color, and relative moisture content. Detailed lithologic descriptions are presented on the soil boring logs included in Appendix B. The soil samples were field-screened using a photo-ionization detector (PID-MiniRae 2000) to indicate the presence of VOCs.

The general soil lithology encountered during sample collection consisted of the following:

- 0 to 4 feet – Dark brown to black silt and organics;
- 4 to 8 feet – Dark brown silty clay;
- 8 to 14 feet – Light brown to tan fine to medium grained moist to wet sand; and
- 14 to 16 feet – Gray to brown silty clay

Subsequent to advancement, each soil boring was converted to a temporary groundwater monitoring well (well) to evaluate on-site groundwater within the assessment area. The monitoring wells were completed using the following methodology:

- Installation of 10 feet of 1-inch diameter, 0.010-inch machine slotted polyvinyl chloride (PVC) well screen with a slip-on bottom cap; and
- Installation of 1-inch diameter, threaded, flush joint PVC riser pipe to the surface.

At the completion of boring activities on August 17, 2010 Terracon developed the well by surging and removing groundwater until fluids appeared relatively free of fine-grained sediment; however, groundwater did not completely clear.

Following development of the wells and prior to groundwater sample collection, each well was purged with a disposable bailer. Each well was purged a minimum of three well casing volumes of groundwater. Subsequent to purging, groundwater samples were collected from each well utilizing a new, disposable, polypropylene bailer.

Upon sampling completion on August 17, 2010, the well riser and screen was removed and the borings were backfilled to ground surface in accordance with state regulations and guidelines. Soil cuttings and purged groundwater generated during the field activities were left onsite in accordance with accepted local, state, and federal protocols.

Based on localized topographic conditions and the location of the Cedar approximately 1,300 feet east of the subject property, groundwater flow direction is anticipated to be generally to the east–southeast during normal river flow conditions.

2.2 Soil and Groundwater Sampling

Terracon's sampling program consisted of the following:

- Collection of one soil sample from B-4 and B-5 from the zone exhibiting the highest PID reading, or from the interval just above the first indication of water, or from the interval at which the sampling professional observed visual indications of potential environmental impact. An additional soil sample was collect from the 0–2 feet sample interval at B-5 to evaluate near surface impacts associated with pesticides attributable to the former pesticide distributor located at 331 E Avenue NW.
- Terracon collected one groundwater sample from the temporary monitoring wells installed at B-4 and B-5 using a new, disposable, polypropylene bailer.

The soil and groundwater samples were placed in laboratory prepared glassware. Terracon sealed the glassware with custody tape, placed the samples on ice in a cooler, and secured the cooler with a custody seal. Terracon relinquished the sample coolers and completed chain-of-custody forms to TestAmerica, Cedar Falls, Iowa for laboratory chemical analyses. The executed chain-of-custody form and laboratory data sheets are attached in Appendix C.

3.0 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples collected from the soil borings and temporary monitoring well were analyzed by the following methods:

Table 1: Analytical Methods

Parameter	Number of Samples (Soil/Groundwater)	Analytical Method
VOCs	2/2	EPA Method 8260
SVOCs	1/1	EPA Method 8270
TEH	1/1	Iowa Method OA-2
Pesticides	1/1	EPA Method 8081

The rationale for the selection of laboratory chemical analyses of the soil and groundwater samples collected at the site was based on the RECs identified above and the chemical of concerns associated therewith. Therefore based on an anticipated groundwater flow direction to the east–southeast toward the Cedar River and the historic use of the subject property as a dry cleaner, the soil and groundwater samples collected from B-4 were analyzed only for VOCs.

At B-5, soil and groundwater samples selected for laboratory chemical analyses was based on the following rationale:

- The shallow soil sample from the 0–2 feet interval was analyzed for pesticides to evaluate near surface impacts associated with the former pesticide distributor located at 331 E Avenue NW;
- The deep soil sample from the 10–12 feet interval was analyzed for VOCs, SVOCs and TEH to evaluate potential impacts associated with the historic use of the former auto body repair shop located at 301 E Avenue NW; and
- The groundwater samples were analyzed for pesticides, VOCs, SVOCs and TEH constituents based on the sampling rationale described in the above bullets.

For quality assurance purposes, a trip blank was included in each cooler that was transported to the analytical laboratory that contained samples designated for analyses of VOCs. Trip blanks submitted to the analytical laboratory were analyzed for VOCs in order to confirm that cross contamination of samples did not occur during sample transport.

4.0 DATA EVALUATION

4.1 Soil Samples

During field activities on August 17, 2010, Terracon's olfactory observations and visual screening of soils did not indicate apparent environmental impact. PID readings were also low to non-detect in each of the borings.

Results of chemical analyses performed on soil samples collected from B-4 and B-5 indicated that VOCs were not reported at concentrations above the analytical laboratory's Method Report Limits (MRLs).

Pesticides reported at concentrations in excess of the analytical laboratory's MRLs in the soil sample collected from the 0–2 feet interval from B-5 are summarized in Table 2 below. Results are reported in milligrams per kilograms (mg/kg).

Table 2: Soils Pesticide Analytical Results

Parameter	B-5, 0-2 Feet (mg/kg)	SWS
4,4-DDE	0.0509	7.1
4,4-DDT	0.0419	8.6

As indicated above, the reported concentrations of pesticides are below their respective Statewide Standard (SWS) for residential soils established by the Iowa Department of Natural Resources (IDNR).

SVOCs reported at concentrations in excess of the analytical laboratory's Method Detection Limits (MDLs) in the soil sample collected from the 10–12 feet interval from B-5 are summarized in Table 3 below. Results are reported in milligrams per kilograms (mg/kg).

Table 3: Soils SVOC Analytical Results

Parameter	B-5, 10-12 Feet (mg/kg)	SWS
1,2-dichlorobenzene	0.0369	5,500
4,6-dinitro-2-methylphenol	0.0220	NE[1]

As indicated above, the reported concentration of 1,2-dichlorobenzene is below the SWS for residential soil and a SWS has not been established for 4,6-dinitro-2-methylphenol. Please refer to Appendix C for the laboratory analytical report and chain of custody.

4.2 Groundwater Samples

Results of VOC analyses performed on the groundwater sample collected from B-4 indicate that tetrachloroethene was reported at a concentration of 0.0025 milligrams per liter (mg/l), which is below the SWS of 0.005 mg/l. Additionally, pesticides and VOCs were not reported at concentrations in excess of analytical laboratory's MRL in the groundwater sample collected

[1] NE indicates that a value is "Not Established."

from B-5. SVOCs reported at concentrations in excess of the analytical laboratory's MDLs in the groundwater sample from B-5 are summarized in Table 4 below. Results are reported in milligrams per liter of groundwater (mg/l).

Table 4: Groundwater SVOC Analytical Results

Parameter	B-5 (mg/l)	SWS
Di-n-butyl phthalate	0.000679	0.70
1,2 Dichlorobenzene	0.000653	0.60
Diethyl phthalate	0.000396	5.6

As indicated above, the reported concentrations of di-n-butyl phthalate, 1,2-dichlorobenzene and diethyl phthalate, are below their established SWS. Please refer to Appendix C for the laboratory analytical report and chain of custody.

In addition to the chemical analyses conducted on the groundwater samples from B-4 and B-5, three trip blanks were also analyzed for VOCs. Result of the analyses indicated that VOCs were not reported at concentrations is excess of the analytical laboratory's MDLs.

5.0 FINDINGS

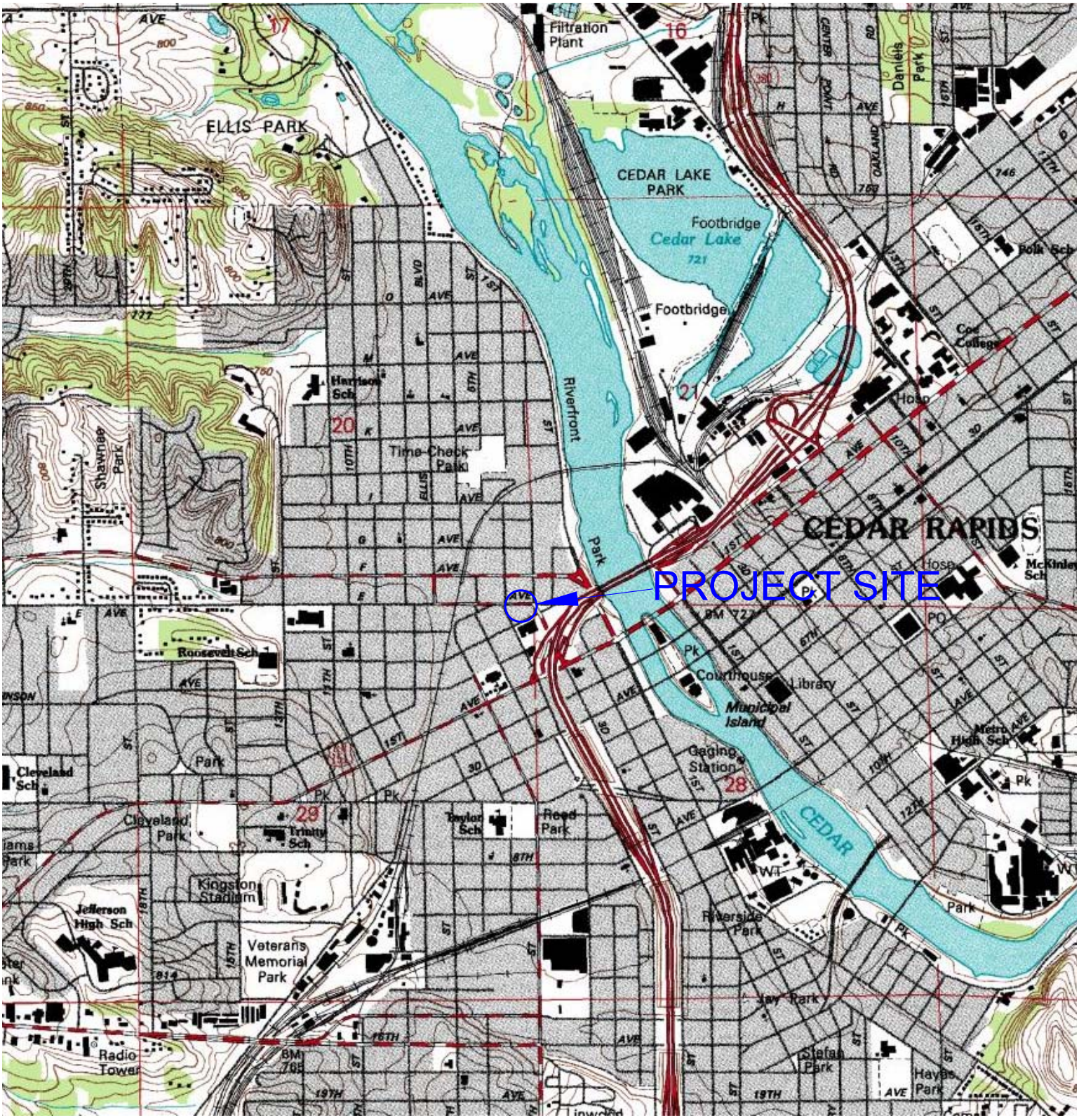
The findings of this LSI are as follows:

- Based on localized topographic conditions and the location of the Cedar River approximately 1,300 feet east of the subject property, groundwater flow direction is anticipated to be generally to the east–southeast during normal river flow conditions.
- Terracon's olfactory/visual observations and field screening of soils samples using a PID did not indicate apparent environmental impact.
- Results of chemical analyses performed on soil samples collected from B-4 and B-5 indicate that VOCs and TEH constituents were not reported at concentrations above the analytical laboratory's MRLs.
- With the exception of 4,4'-DDE and 4,4'DDT, reported concentrations of pesticides in the soil sample collected from the 0–2 feet sample interval from B-5 were below the analytical laboratory's MRL.
- The reported concentrations of 4,4'-DDE and 4,4'-DDT in the soil samples from B-5 were significantly below the SWS established by the IDNR.
- With the exception of 1,2-dichlorobenzene and 4,6-dinitro-2-methylphenol, reported concentrations of SVOC in the soils sample collected from the 10–12 feet sample interval from B-5 were below the analytical laboratory's MDLs.
- The reported concentration of 1,2-dichlorobenzene in the soils sample collected from the 10–12 feet sample interval from B-5 was significantly below the SWS established by the IDNR.

- While the IDNR has not established a SWS for 4,6-dinitro-2-methylphenol the concentration reported by the analytical laboratory is low.
- With the exception of tetrachloroethene, VOCs were not reported at concentrations in excess of the analytical laboratory's MRLs in the groundwater sample collected from B-4. However, the reported concentration of tetrachloroethene was below the SWS established by the IDNR.
- VOCs and TEH constituents were not reported at concentrations in excess of the analytical laboratory's MRLs in the groundwater sample collected from B-5.
- The SVOCs di-n-butyl phthalate, 1,2-dichlorobenzene and diethyl phthalate were detected in the ground water samples collected from B-5; however, the reported concentrations were below SWS established by the IDNR.
- Laboratory chemical analyses of the trip blanks indicated that VOCs were not reported at concentrations in excess of the analytical laboratory's MRL thus confirming that samples were not cross contaminated during transport to the analytical laboratory.

APPENDIX A

Figure 1 – Topographic Map and Figure 2 – Site Plan



TOPOGRAPHIC IMAGE FROM http://ortho.gis.iastate.edu/ ACCESSED ON 8/31/2010

NORTH

Project No.	06107062
Date:	AUG 2010
Project Mngr:	KRJ
Drawn By:	RJC
File Name:	06107062.Fig1.315.DWG
Layout Name:	315 SITE

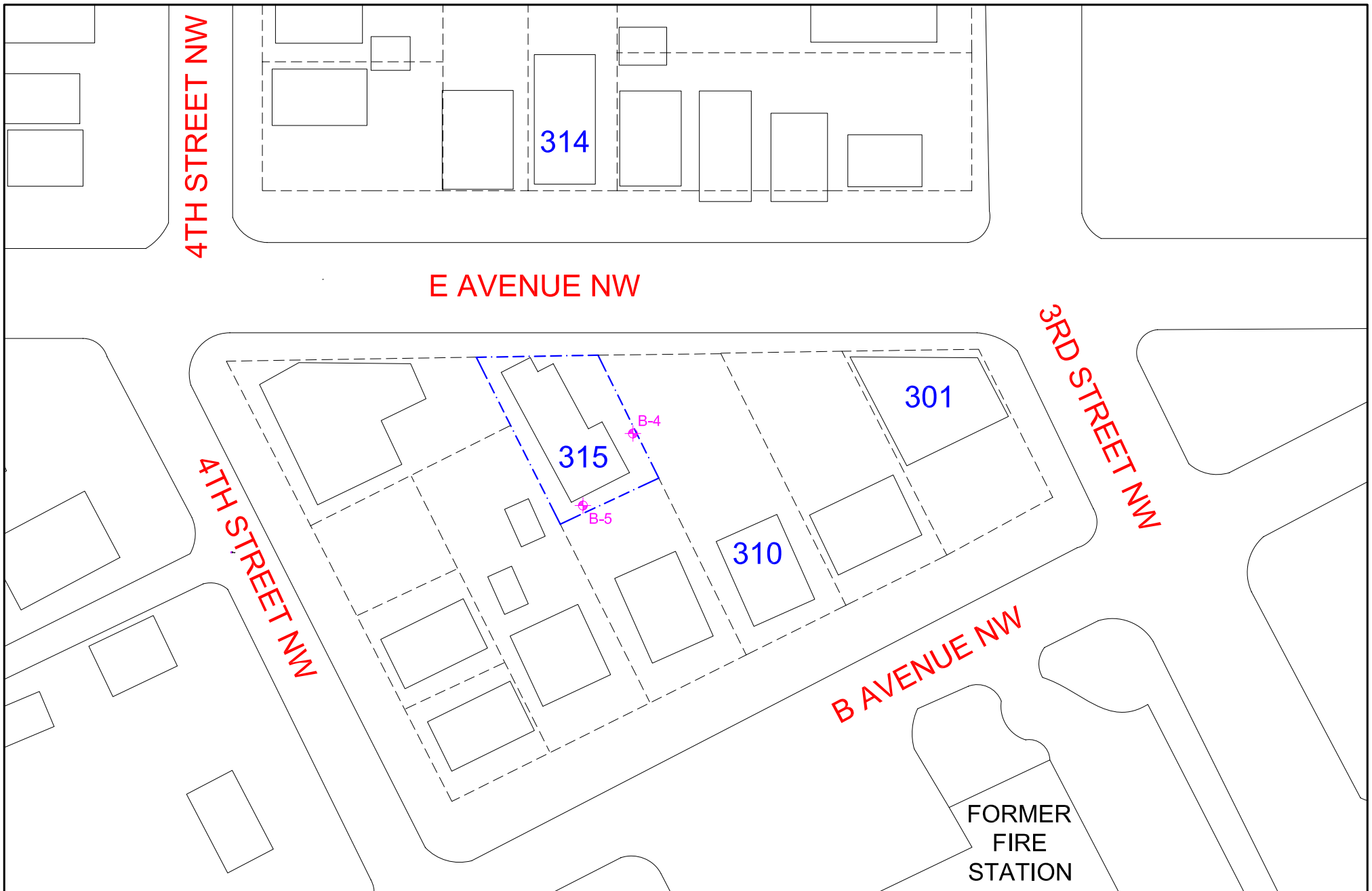
Terracon
Consulting Engineers and Scientists
2640 12TH STREET SW CEDAR RAPIDS, IOWA 52404
PH. (319) 366-8321 FAX. (319) 366-0032

TOPOGRAPHIC MAP

LIMITED SITE INVESTIGATION
SFD, LLC
315 E AVENUE NW
CEDAR RAPIDS, IOWA

FIG. No.

1



LEGEND

- APPROXIMATE BORING LOCATION
- SITE BOUNDARY
- APPROXIMATE PARCEL LINES

NORTH

0 60'

APPROXIMATE DRAWING SCALE

Project No.	Date:
06107062	AUG 2010
Project Mngr:	Drawn By:
KRJ	RJC
File Name:	
06107062.Fig2.315.dwg	
Layout Name:	
315 SITE	

Terracon
Consulting Engineers and Scientists
2640 12TH STREET SW CEDAR RAPIDS, IOWA 52404
PH. (319) 366-8321 FAX. (319) 366-0032

BORING LOCATION DIAGRAM

LIMITED SITE INVESTIGATION
SFD, LLC.
315 E AVENUE NW
CEDAR RAPIDS, IOWA

FIG. No.

2

APPENDIX B

Boring Logs

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number:	Facility Name:	Facility Street Address:
B4	**SFD, LLC**	**E Avenue and B Avenue NW**

Boring Depth (ft) X Diameter (in): **16.0 x 2 1/4**	Drilling Method: **Direct Push**
Well Contractor Name: **Terracon** Registration Number: **2396**	Logged by: **SKZ**
Ground Surface Elevation (ASL):	Top of Casing Elevation (ASL):

Date: **8/17/2010** Start Time: **1040**	Date: **8/17/2010** End Time: **1105**	UST Number: **NA**	LUST Number: **NA**

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.)
	Temporary monitoring well was removed after sampling. Bore hole was backfilled using bentonite chips.		1		0.0	Dark Brown/Black, Silt/Clay, Organics, Dry
			2		0.0	
			3		0.0	Light Tan, Fine to Medium Grained Sand, Dry
5			4		0.0	
			5		0.0	
10		** (10-12')	6		0.0	Red/Brown, Large to Medium Grained Sand and Gravel, Wet
			7		0.2	Dark Gray, Silty Clay trace Gravel Size Limestone Fragments, Stiff
			8		0.1	
15			9		0.1	BOH=16' bgs

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	**8/17/2010**				
Water Levels (ASL)	Level:	**~12.0**				
Static Water Level Symbol	Time:					

IOWA_DNR_SFD LSI.GPJ IOWADNR.GDT 8/31/10

DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number:	Facility Name:	Facility Street Address:
B5	**SFD, LLC**	**E Avenue and B Avenue NW**

Boring Depth (ft) X Diameter (in): **16.0 x 2 1/4**	Drilling Method: **Direct Push**
Well Contractor Name: **Terracon** Registration Number: **2396**	Logged by: **SKZ**

Ground Surface Elevation (ASL):	Top of Casing Elevation (ASL):

Date: **8/17/2010**	Date: **8/17/2010**	UST Number:	LUST Number:
Start Time: **1130**	End Time: **1150**	**NA**	**NA**

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Sample Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.)
	Temporary monitoring well was removed after sampling. Bore hole was backfilled using bentonite chips.	** (0-2')	1		0.0	Dark Brown/Black, Silt/Clay, Orgainics, Dry
			2		0.0	
			3		0.0	Light Tan, Fine to Medium Grained Sand, Dry
5			4		0.0	
			5		0.0	
10		** (10-12')	6		0.0	Red/Brown, Medium to Large Grained Sand and Gravel, Wet
			7		0.0	Dark Gray, Silty Clay Some Limestone Gravel, Stiff
			8		0.0	
15			9		0.0	BOH=16' bgs

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	**8/17/210**				
Water Levels (ASL)	Level:	**~11**				
Static Water Level Symbol	Time:					

DNR FORM 542-1392

IOWA_DNR_SFD LSI.GPJ IOWADNR.GDT 8/31/10

APPENDIX C

Laboratory Analytical Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive Cedar Falls, IA 50613 * 800-750-2401 * Fax 319-277-2425

September 02, 2010

Client:
TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404

Attn: Kirk Johnson

Work Order: CTH0902
Project Name: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Date Received: 08/18/10

The Chain(s) of Custody, 10 pages, are included and are an integral part of this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
B-3 0-1'	CTH0902-01	08/17/10 10:25
B-3 6-8'	CTH0902-02	08/17/10 10:30
B-4 10-12'	CTH0902-03	08/17/10 11:15
B-5 0-2'	CTH0902-04	08/17/10 12:00
B-5 10-12'	CTH0902-05	08/17/10 12:05
B-6 0-2'	CTH0902-06	08/17/10 12:50
B-6 10-12'	CTH0902-07	08/17/10 12:55
B-2 0-6'	CTH0902-08	08/17/10 13:40
B-2 10-12'	CTH0902-09	08/17/10 13:45
B-1 10-12'	CTH0902-10	08/17/10 14:20
B-1	CTH0902-11	08/17/10 14:40
B-2	CTH0902-12	08/17/10 15:05
B-3	CTH0902-13	08/17/10 15:25
B-4	CTH0902-14	08/17/10 15:50
B-5	CTH0902-15	08/17/10 16:00
B-6	CTH0902-16	08/17/10 16:10

Samples were received into laboratory on ice.

NELAC states that samples which require thermal preservation shall be considered acceptable if the arrival temperature is within 2 degrees C of the required temperature or the method specified range. For samples with a temperature requirement of 4 degrees C, an arrival temperature from 0 degrees C to 6 degrees C meets specifications. Samples that are delivered to the laboratory on the same day that they are collected may not meet these criteria. In these cases, the samples are considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the specific sample analyzed.

TestAmerica Cedar Falls
Angela Muehling
Project Coordinator

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive Cedar Falls, IA 50613 * 800-750-2401 * Fax 319-277-2425

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Trip Blank LB-107	CTH1383-01	08/17/10 09:00
Trip Blank SLN-04	CTH1383-02	08/17/10 09:00
Trip Blank E-9	CTH1383-03	08/17/10 09:00

Samples were received into laboratory on ice.

NELAC states that samples which require thermal preservation shall be considered acceptable if the arrival temperature is within 2 degrees C of the required temperature or the method specified range. For samples with a temperature requirement of 4 degrees C, an arrival temperature from 0 degrees C to 6 degrees C meets specifications. Samples that are delivered to the laboratory on the same day that they are collected may not meet these criteria. In these cases, the samples are considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:

TestAmerica Cedar Falls
Angela Muehling
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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-01 (B-3 0-1' - Soil)						**Sampled: 08/17/10 10:25**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**77.4**		%		0.100	1	08/18/10 15:28	sas	10H0729	SM 2540 G
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
alpha-BHC	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
beta-BHC	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
delta-BHC	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
gamma-BHC (Lindane)	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
alpha-Chlordane	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
gamma-Chlordane	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Chlordane	<170		ug/kg dry		170	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Dieldrin	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
4,4'-DDD	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
4,4'-DDE	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
4,4'-DDT	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Endosulfan I	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Endosulfan II	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Endosulfan sulfate	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Endrin	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Endrin aldehyde	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Endrin ketone	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Heptachlor	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Heptachlor epoxide	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Methoxychlor	<13.5		ug/kg dry		13.5	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Toxaphene	<170		ug/kg dry		170	1.97	08/20/10 00:57	ztb	10H0718	SW 8081A
Surr: Decachlorobiphenyl (45-145%)	*77 %*									
Surr: Tetrachloro-meta-xylene (55-105%)	*73 %*									

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Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-02 (B-3 6-8' - Soil)						**Sampled: 08/17/10 10:30**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**90.0**		%		0.100	1	08/19/10 11:58	sas	10H0763	SM 2540 G
Volatile Organic Compounds										
Acetone	<119		ug/kg dry		119	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Acrylonitrile	<119		ug/kg dry		119	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Benzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Bromobenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Bromochloromethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Bromodichloromethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Bromoform	<23.7		ug/kg dry		23.7	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Bromomethane	<47.5		ug/kg dry		47.5	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
2-Butanone (MEK)	<119	L	ug/kg dry		119	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
n-Butylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
sec-Butylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
tert-Butylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Carbon disulfide	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Carbon Tetrachloride	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Chlorobenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Chlorodibromomethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Chloroethane	<47.5		ug/kg dry		47.5	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Chloroform	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Chloromethane	<47.5		ug/kg dry		47.5	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
2-Chlorotoluene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
4-Chlorotoluene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2-Dibromo-3-chloropropane	<119		ug/kg dry		119	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2-Dibromoethane (EDB)	<119		ug/kg dry		119	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Dibromomethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2-Dichlorobenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,3-Dichlorobenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,4-Dichlorobenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Dichlorodifluoromethane	<35.6		ug/kg dry		35.6	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1-Dichloroethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2-Dichloroethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1-Dichloroethene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
cis-1,2-Dichloroethene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
trans-1,2-Dichloroethene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2-Dichloropropane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,3-Dichloropropane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
2,2-Dichloropropane	<47.5	CIN	ug/kg dry		47.5	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1-Dichloropropene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
cis-1,3-Dichloropropene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
trans-1,3-Dichloropropene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Ethylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Hexachlorobutadiene	<59.4		ug/kg dry		59.4	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Hexane	<59.4		ug/kg dry		59.4	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Isopropylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
p-Isopropyltoluene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Methylene Chloride	<119		ug/kg dry		119	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B

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Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-02 (B-3 6-8' - Soil) - cont.						**Sampled: 08/17/10 10:30**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
Methyl tert-Butyl Ether	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Naphthalene	<59.4		ug/kg dry		59.4	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
n-Propylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Styrene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1,1,2-Tetrachloroethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1,2,2-Tetrachloroethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Tetrachloroethene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Toluene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2,3-Trichlorobenzene	<59.4		ug/kg dry		59.4	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2,4-Trichlorobenzene	<59.4		ug/kg dry		59.4	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1,1-Trichloroethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,1,2-Trichloroethane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Trichloroethene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Trichlorofluoromethane	<47.5		ug/kg dry		47.5	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2,3-Trichloropropane	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,2,4-Trimethylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
1,3,5-Trimethylbenzene	<11.9		ug/kg dry		11.9	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Vinyl chloride	<35.6		ug/kg dry		35.6	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Xylenes, total	<35.6		ug/kg dry		35.6	2.14	08/23/10 12:52	EEE	10H0931	SW 8260B
Surr: Dibromofluoromethane (75-125%)	*98 %*									
Surr: Toluene-d8 (80-120%)	*97 %*									
Surr: 4-Bromofluorobenzene (80-120%)	*97 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.00778		mg/kg dry	0.00778	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Acenaphthylene	<0.00889		mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Anthracene	<0.0111	L, M1	mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzidine	<0.00889		mg/kg dry	0.00889	3.67	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzo (a) anthracene	<0.0122		mg/kg dry	0.0122	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzo (b) fluoranthene	<0.0167		mg/kg dry	0.0167	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzo (k) fluoranthene	<0.0133		mg/kg dry	0.0133	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzo (a) pyrene	<0.0156		mg/kg dry	0.0156	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzo (g,h,i) perylene	<0.0178		mg/kg dry	0.0178	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzyl alcohol	<0.0100		mg/kg dry	0.0100	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Butyl benzyl phthalate	<0.0222		mg/kg dry	0.0222	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Bis(2-chloroethyl)ether	<0.00778		mg/kg dry	0.00778	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Bis(2-chloroethoxy)methane	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.0233		mg/kg dry	0.0233	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Bis(2-chloroisopropyl) ether	<0.00778		mg/kg dry	0.00778	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Bromophenyl phenyl ether	<0.0189		mg/kg dry	0.0189	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Carbazole	<0.0144		mg/kg dry	0.0144	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Chloroaniline	<0.00778		mg/kg dry	0.00778	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2-Chloronaphthalene	<0.0122		mg/kg dry	0.0122	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Chlorophenyl phenyl ether	<0.0133		mg/kg dry	0.0133	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Chrysene	<0.0133		mg/kg dry	0.0133	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Dibenzo (a,h) anthracene	<0.0211		mg/kg dry	0.0211	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Dibenzofuran	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Di-n-butyl phthalate	<0.0222		mg/kg dry	0.0222	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
1,2-Dichlorobenzene	**0.0351**	J	mg/kg dry	0.0100	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
1,3-Dichlorobenzene	<0.00889		mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C

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Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-02 (B-3 6-8' - Soil) - cont. — **Sampled: 08/17/10 10:30** — **Recvd: 08/18/10 09:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
1,4-Dichlorobenzene	<0.00889		mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
3,3'-Dichlorobenzidine	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Diethyl phthalate	<0.0133		mg/kg dry	0.0133	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Dimethyl phthalate	<0.0156		mg/kg dry	0.0156	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,4-Dinitrotoluene	<0.0200		mg/kg dry	0.0200	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,6-Dinitrotoluene	<0.0156		mg/kg dry	0.0156	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Di-n-octyl phthalate	<0.0411		mg/kg dry	0.0411	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Fluoranthene	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Fluorene	<0.0100		mg/kg dry	0.0100	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Hexachlorobenzene	<0.0156		mg/kg dry	0.0156	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Hexachlorobutadiene	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Hexachlorocyclopentadiene	<0.0133		mg/kg dry	0.0133	0.734	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Hexachloroethane	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.0167		mg/kg dry	0.0167	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Isophorone	<0.0100		mg/kg dry	0.0100	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2-Methylnaphthalene	<0.00889		mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Naphthalene	<0.288		mg/kg dry	0.288	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2-Nitroaniline	<0.0156		mg/kg dry	0.0156	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
3-Nitroaniline	<0.0133		mg/kg dry	0.0133	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Nitroaniline	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Nitrobenzene	<0.0122		mg/kg dry	0.0122	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
N-Nitrosodimethylamine	<0.00889		mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
N-Nitrosodiphenylamine	<0.0144		mg/kg dry	0.0144	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
N-Nitrosodi-n-propylamine	<0.0756		mg/kg dry	0.0756	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Phenanthrene	<0.0133		mg/kg dry	0.0133	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Pyrene	<0.0144		mg/kg dry	0.0144	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Pyridine	<0.0100		mg/kg dry	0.0100	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
1,2,4-Trichlorobenzene	<0.00778		mg/kg dry	0.00778	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Benzoic acid	<0.489	L1	mg/kg dry	0.489	0.734	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Chloro-3-methylphenol	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2-Chlorophenol	<0.0111		mg/kg dry	0.0111	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Cresol(s)	<0.278		mg/kg dry	0.278	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,4-Dichlorophenol	<0.0100		mg/kg dry	0.0100	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,4-Dimethylphenol	<0.0167		mg/kg dry	0.0167	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,4-Dinitrophenol	<0.0789		mg/kg dry	0.0789	0.734	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4,6-Dinitro-2-methylphenol	**0.0177**	J	mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2-Methylphenol (o-Cresol)	<0.286		mg/kg dry	0.286	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Methylphenol (p-Cresol)	<0.00889		mg/kg dry	0.00889	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2-Nitrophenol	<0.0256		mg/kg dry	0.0256	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
4-Nitrophenol	<0.0178		mg/kg dry	0.0178	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Pentachlorophenol	<0.267		mg/kg dry	0.267	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Phenol	<0.267		mg/kg dry	0.267	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,4,5-Trichlorophenol	<0.0178		mg/kg dry	0.0178	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
2,4,6-Trichlorophenol	<0.0222		mg/kg dry	0.0222	0.367	0.968	08/20/10 13:09	dmd	10H0780	SW 8270C
Surr: Nitrobenzene-d5 (30-115%)	*75 %*									
Surr: 2-Fluorobiphenyl (40-110%)	*72 %*									
Surr: Terphenyl-d14 (45-145%)	*90 %*									
Surr: Phenol-d6 (25-120%)	*81 %*									
Surr: 2-Fluorophenol (30-115%)	*78 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-02 (B-3 6-8' - Soil) - cont.						**Sampled: 08/17/10 10:30**			**Recvd: 08/18/10 09:30**	
Semivolatile Organics by GC/MS - cont.										
Surr: 2,4,6-Tribromophenol (50-125%)	*85 %*									
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<10.0		mg/kg		10.0	1	08/19/10 22:44	jdb	[CALC]	OA-2 - 8015B
Diesel	<10.0		mg/kg		10.0	0.973	08/19/10 22:44	jdb	10H0749	OA-2 - 8015B
Gasoline	<10.0		mg/kg		10.0	0.973	08/19/10 22:44	jdb	10H0749	OA-2 - 8015B
Motor Oil	<10.0		mg/kg		10.0	0.973	08/19/10 22:44	jdb	10H0749	OA-2 - 8015B
Surr: Octacosane (50-150%)	*103 %*									

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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-03 (B-4 10-12' - Soil)						**Sampled: 08/17/10 11:15**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**84.3**		%		0.100	1	08/19/10 11:58	sas	10H0763	SM 2540 G
Volatile Organic Compounds										
Acetone	<101		ug/kg dry		101	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Acrylonitrile	<101		ug/kg dry		101	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Benzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Bromobenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Bromochloromethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Bromodichloromethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Bromoform	<20.2		ug/kg dry		20.2	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Bromomethane	<40.4		ug/kg dry		40.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
2-Butanone (MEK)	<101		ug/kg dry		101	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
n-Butylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
sec-Butylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
tert-Butylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Carbon disulfide	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Carbon Tetrachloride	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Chlorobenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Chlorodibromomethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Chloroethane	<40.4		ug/kg dry		40.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Chloroform	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Chloromethane	<40.4		ug/kg dry		40.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
2-Chlorotoluene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
4-Chlorotoluene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2-Dibromo-3-chloropropane	<101		ug/kg dry		101	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2-Dibromoethane (EDB)	<101		ug/kg dry		101	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Dibromomethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2-Dichlorobenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,3-Dichlorobenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,4-Dichlorobenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Dichlorodifluoromethane	<30.3		ug/kg dry		30.3	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1-Dichloroethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2-Dichloroethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1-Dichloroethene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
cis-1,2-Dichloroethene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
trans-1,2-Dichloroethene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2-Dichloropropane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,3-Dichloropropane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
2,2-Dichloropropane	<40.4	CIN	ug/kg dry		40.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1-Dichloropropene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
cis-1,3-Dichloropropene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
trans-1,3-Dichloropropene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Ethylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Hexachlorobutadiene	<50.4		ug/kg dry		50.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Hexane	<50.4		ug/kg dry		50.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Isopropylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
p-Isopropyltoluene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Methylene Chloride	<101		ug/kg dry		101	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-03 (B-4 10-12' - Soil) - cont.						**Sampled: 08/17/10 11:15**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
Methyl tert-Butyl Ether	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Naphthalene	<50.4		ug/kg dry		50.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
n-Propylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Styrene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1,1,2-Tetrachloroethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1,2,2-Tetrachloroethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Tetrachloroethene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Toluene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2,3-Trichlorobenzene	<50.4		ug/kg dry		50.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2,4-Trichlorobenzene	<50.4		ug/kg dry		50.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1,1-Trichloroethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,1,2-Trichloroethane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Trichloroethene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Trichlorofluoromethane	<40.4		ug/kg dry		40.4	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2,3-Trichloropropane	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,2,4-Trimethylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
1,3,5-Trimethylbenzene	<10.1		ug/kg dry		10.1	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Vinyl chloride	<30.3		ug/kg dry		30.3	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Xylenes, total	<30.3		ug/kg dry		30.3	1.7	08/20/10 16:52	EEE	10H0882	SW 8260B
Surr: Dibromofluoromethane (75-125%)	*98 %*									
Surr: Toluene-d8 (80-120%)	*95 %*									
Surr: 4-Bromofluorobenzene (80-120%)	*100 %*									

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TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-04 (B-5 0-2' - Soil)						**Sampled: 08/17/10 12:00**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**79.5**		%		0.100	1	08/18/10 15:28	sas	10H0729	SM 2540 G
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
alpha-BHC	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
beta-BHC	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
delta-BHC	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
gamma-BHC (Lindane)	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
alpha-Chlordane	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
gamma-Chlordane	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Chlordane	<83.9		ug/kg dry		83.9	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Dieldrin	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
4,4'-DDD	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
4,4'-DDE	**50.9**		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
4,4'-DDT	**41.9**		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Endosulfan I	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Endosulfan II	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Endosulfan sulfate	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Endrin	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Endrin aldehyde	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Endrin ketone	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Heptachlor	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Heptachlor epoxide	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Methoxychlor	<6.67		ug/kg dry		6.67	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Toxaphene	<83.9		ug/kg dry		83.9	0.969	08/20/10 01:09	ztb	10H0718	SW 8081A
Surr: Decachlorobiphenyl (45-145%)	*64 %*									
Surr: Tetrachloro-meta-xylene (55-105%)	*59 %*									

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Received: 08/18/10
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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-05 (B-5 10-12' - Soil)						**Sampled: 08/17/10 12:05**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**89.9**		%		0.100	1	08/19/10 11:58	sas	10H0763	SM 2540 G
Volatile Organic Compounds										
Acetone	<92.4		ug/kg dry		92.4	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Acrylonitrile	<92.4		ug/kg dry		92.4	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Benzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Bromobenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Bromochloromethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Bromodichloromethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Bromoform	<18.5		ug/kg dry		18.5	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Bromomethane	<37.0		ug/kg dry		37.0	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
2-Butanone (MEK)	<92.4		ug/kg dry		92.4	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
n-Butylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
sec-Butylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
tert-Butylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Carbon disulfide	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Carbon Tetrachloride	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Chlorobenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Chlorodibromomethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Chloroethane	<37.0		ug/kg dry		37.0	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Chloroform	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Chloromethane	<37.0		ug/kg dry		37.0	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
2-Chlorotoluene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
4-Chlorotoluene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2-Dibromo-3-chloropropane	<92.4		ug/kg dry		92.4	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2-Dibromoethane (EDB)	<92.4		ug/kg dry		92.4	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Dibromomethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2-Dichlorobenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,3-Dichlorobenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,4-Dichlorobenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Dichlorodifluoromethane	<27.7		ug/kg dry		27.7	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1-Dichloroethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2-Dichloroethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1-Dichloroethene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
cis-1,2-Dichloroethene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
trans-1,2-Dichloroethene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2-Dichloropropane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,3-Dichloropropane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
2,2-Dichloropropane	<37.0	CIN	ug/kg dry		37.0	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1-Dichloropropene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
cis-1,3-Dichloropropene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
trans-1,3-Dichloropropene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Ethylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Hexachlorobutadiene	<46.2		ug/kg dry		46.2	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Hexane	<46.2		ug/kg dry		46.2	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Isopropylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
p-Isopropyltoluene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Methylene Chloride	<92.4		ug/kg dry		92.4	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-05 (B-5 10-12' - Soil) - cont.						**Sampled: 08/17/10 12:05**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
Methyl tert-Butyl Ether	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Naphthalene	<46.2		ug/kg dry		46.2	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
n-Propylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Styrene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1,1,2-Tetrachloroethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1,2,2-Tetrachloroethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Tetrachloroethene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Toluene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2,3-Trichlorobenzene	<46.2		ug/kg dry		46.2	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2,4-Trichlorobenzene	<46.2		ug/kg dry		46.2	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1,1-Trichloroethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,1,2-Trichloroethane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Trichloroethene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Trichlorofluoromethane	<37.0		ug/kg dry		37.0	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2,3-Trichloropropane	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,2,4-Trimethylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
1,3,5-Trimethylbenzene	<9.24		ug/kg dry		9.24	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Vinyl chloride	<27.7		ug/kg dry		27.7	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Xylenes, total	<27.7		ug/kg dry		27.7	1.66	08/20/10 17:22	EEE	10H0882	SW 8260B
Surr: Dibromofluoromethane (75-125%)	*98 %*									
Surr: Toluene-d8 (80-120%)	*97 %*									
Surr: 4-Bromofluorobenzene (80-120%)	*100 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.00779		mg/kg dry	0.00779	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Acenaphthylene	<0.00890		mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Anthracene	<0.0111	L	mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzidine	<0.00890		mg/kg dry	0.00890	3.67	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzo (a) anthracene	<0.0122		mg/kg dry	0.0122	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzo (b) fluoranthene	<0.0167		mg/kg dry	0.0167	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzo (k) fluoranthene	<0.0134		mg/kg dry	0.0134	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzo (a) pyrene	<0.0156		mg/kg dry	0.0156	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzo (g,h,i) perylene	<0.0178		mg/kg dry	0.0178	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzyl alcohol	<0.0100		mg/kg dry	0.0100	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Butyl benzyl phthalate	<0.0223		mg/kg dry	0.0223	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Bis(2-chloroethyl)ether	<0.00779		mg/kg dry	0.00779	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Bis(2-chloroethoxy)methane	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.0234		mg/kg dry	0.0234	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Bis(2-chloroisopropyl) ether	<0.00779		mg/kg dry	0.00779	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Bromophenyl phenyl ether	<0.0189		mg/kg dry	0.0189	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Carbazole	<0.0145		mg/kg dry	0.0145	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Chloroaniline	<0.00779		mg/kg dry	0.00779	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2-Chloronaphthalene	<0.0122		mg/kg dry	0.0122	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Chlorophenyl phenyl ether	<0.0134		mg/kg dry	0.0134	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Chrysene	<0.0134		mg/kg dry	0.0134	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Dibenzo (a,h) anthracene	<0.0211		mg/kg dry	0.0211	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Dibenzofuran	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Di-n-butyl phthalate	<0.0223		mg/kg dry	0.0223	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
1,2-Dichlorobenzene	**0.0369**	J	mg/kg dry	0.0100	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
1,3-Dichlorobenzene	<0.00890		mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-05 (B-5 10-12' - Soil) - cont.						**Sampled: 08/17/10 12:05**			**Recvd: 08/18/10 09:30**	
Semivolatile Organics by GC/MS - cont.										
1,4-Dichlorobenzene	<0.00890		mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
3,3'-Dichlorobenzidine	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Diethyl phthalate	<0.0134		mg/kg dry	0.0134	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Dimethyl phthalate	<0.0156		mg/kg dry	0.0156	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,4-Dinitrotoluene	<0.0200		mg/kg dry	0.0200	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,6-Dinitrotoluene	<0.0156		mg/kg dry	0.0156	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Di-n-octyl phthalate	<0.0412		mg/kg dry	0.0412	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Fluoranthene	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Fluorene	<0.0100		mg/kg dry	0.0100	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Hexachlorobenzene	<0.0156		mg/kg dry	0.0156	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Hexachlorobutadiene	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Hexachlorocyclopentadiene	<0.0134		mg/kg dry	0.0134	0.735	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Hexachloroethane	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.0167		mg/kg dry	0.0167	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Isophorone	<0.0100		mg/kg dry	0.0100	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2-Methylnaphthalene	<0.00890		mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Naphthalene	<0.288		mg/kg dry	0.288	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2-Nitroaniline	<0.0156		mg/kg dry	0.0156	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
3-Nitroaniline	<0.0134		mg/kg dry	0.0134	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Nitroaniline	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Nitrobenzene	<0.0122		mg/kg dry	0.0122	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
N-Nitrosodimethylamine	<0.00890		mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
N-Nitrosodiphenylamine	<0.0145		mg/kg dry	0.0145	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
N-Nitrosodi-n-propylamine	<0.0757		mg/kg dry	0.0757	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Phenanthrene	<0.0134		mg/kg dry	0.0134	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Pyrene	<0.0145		mg/kg dry	0.0145	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Pyridine	<0.0100		mg/kg dry	0.0100	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
1,2,4-Trichlorobenzene	<0.00779		mg/kg dry	0.00779	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Benzoic acid	<0.490		mg/kg dry	0.490	0.735	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Chloro-3-methylphenol	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2-Chlorophenol	<0.0111		mg/kg dry	0.0111	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Cresol(s)	<0.278		mg/kg dry	0.278	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,4-Dichlorophenol	<0.0100		mg/kg dry	0.0100	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,4-Dimethylphenol	<0.0167		mg/kg dry	0.0167	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,4-Dinitrophenol	<0.0790		mg/kg dry	0.0790	0.735	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4,6-Dinitro-2-methylphenol	**0.0220**	J	mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2-Methylphenol (o-Cresol)	<0.286		mg/kg dry	0.286	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Methylphenol (p-Cresol)	<0.00890		mg/kg dry	0.00890	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2-Nitrophenol	<0.0256		mg/kg dry	0.0256	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
4-Nitrophenol	<0.0178		mg/kg dry	0.0178	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Pentachlorophenol	<0.267		mg/kg dry	0.267	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Phenol	<0.267		mg/kg dry	0.267	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,4,5-Trichlorophenol	<0.0178		mg/kg dry	0.0178	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
2,4,6-Trichlorophenol	<0.0223		mg/kg dry	0.0223	0.367	0.992	08/20/10 13:33	dmd	10H0780	SW 8270C
Surr: Nitrobenzene-d5 (30-115%)	*82 %*									
Surr: 2-Fluorobiphenyl (40-110%)	*81 %*									
Surr: Terphenyl-d14 (45-145%)	*109 %*									
Surr: Phenol-d6 (25-120%)	*87 %*									
Surr: 2-Fluorophenol (30-115%)	*85 %*									

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Received: 08/18/10
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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-05 (B-5 10-12' - Soil) - cont.						**Sampled: 08/17/10 12:05**			**Recvd: 08/18/10 09:30**	
Semivolatile Organics by GC/MS - cont.										
Surr: 2,4,6-Tribromophenol (50-125%)	*97 %*									
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<10.0		mg/kg		10.0	1	08/19/10 23:28	jdb	[CALC]	OA-2 - 8015B
Diesel	<10.0		mg/kg		10.0	0.989	08/19/10 23:28	jdb	10H0749	OA-2 - 8015B
Gasoline	<10.0		mg/kg		10.0	0.989	08/19/10 23:28	jdb	10H0749	OA-2 - 8015B
Motor Oil	<10.0		mg/kg		10.0	0.989	08/19/10 23:28	jdb	10H0749	OA-2 - 8015B
Surr: Octacosane (50-150%)	*99 %*									

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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-06 (B-6 0-2' - Soil)						**Sampled: 08/17/10 12:50**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**85.9**		%		0.100	1	08/18/10 15:28	sas	10H0729	SM 2540 G
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
alpha-BHC	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
beta-BHC	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
delta-BHC	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
gamma-BHC (Lindane)	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
alpha-Chlordane	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
gamma-Chlordane	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Chlordane	<77.6		ug/kg dry		77.6	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Dieldrin	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
4,4'-DDD	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
4,4'-DDE	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
4,4'-DDT	<12.3		ug/kg dry		12.3	1.97	08/25/10 14:46	ztb	10H0718	SW 8081A
Endosulfan I	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Endosulfan II	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Endosulfan sulfate	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Endrin	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Endrin aldehyde	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Endrin ketone	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Heptachlor	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Heptachlor epoxide	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Methoxychlor	<6.17		ug/kg dry		6.17	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Toxaphene	<77.6		ug/kg dry		77.6	0.987	08/20/10 02:11	ztb	10H0718	SW 8081A
Surr: Decachlorobiphenyl (45-145%)	*69 %*									
Surr: Tetrachloro-meta-xylene (55-105%)	*69 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-07 (B-6 10-12' - Soil)						**Sampled: 08/17/10 12:55**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**85.8**		%		0.100	1	08/19/10 11:58	sas	10H0763	SM 2540 G
Volatile Organic Compounds										
Acetone	<103		ug/kg dry		103	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Acrylonitrile	<103		ug/kg dry		103	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Benzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Bromobenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Bromochloromethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Bromodichloromethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Bromoform	<20.6		ug/kg dry		20.6	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Bromomethane	<41.2		ug/kg dry		41.2	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
2-Butanone (MEK)	<103		ug/kg dry		103	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
n-Butylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
sec-Butylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
tert-Butylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Carbon disulfide	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Carbon Tetrachloride	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Chlorobenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Chlorodibromomethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Chloroethane	<41.2		ug/kg dry		41.2	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Chloroform	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Chloromethane	<41.2		ug/kg dry		41.2	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
2-Chlorotoluene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
4-Chlorotoluene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2-Dibromo-3-chloropropane	<103		ug/kg dry		103	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2-Dibromoethane (EDB)	<103		ug/kg dry		103	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Dibromomethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2-Dichlorobenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,3-Dichlorobenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,4-Dichlorobenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Dichlorodifluoromethane	<30.9		ug/kg dry		30.9	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1-Dichloroethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2-Dichloroethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1-Dichloroethene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
cis-1,2-Dichloroethene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
trans-1,2-Dichloroethene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2-Dichloropropane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,3-Dichloropropane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
2,2-Dichloropropane	<41.2	CIN	ug/kg dry		41.2	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1-Dichloropropene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
cis-1,3-Dichloropropene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
trans-1,3-Dichloropropene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Ethylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Hexachlorobutadiene	<51.5		ug/kg dry		51.5	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Hexane	<51.5		ug/kg dry		51.5	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Isopropylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
p-Isopropyltoluene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Methylene Chloride	<103		ug/kg dry		103	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-07 (B-6 10-12' - Soil) - cont.						**Sampled: 08/17/10 12:55**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
Methyl tert-Butyl Ether	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Naphthalene	<51.5		ug/kg dry		51.5	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
n-Propylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Styrene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1,1,2-Tetrachloroethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1,2,2-Tetrachloroethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Tetrachloroethene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Toluene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2,3-Trichlorobenzene	<51.5		ug/kg dry		51.5	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2,4-Trichlorobenzene	<51.5		ug/kg dry		51.5	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1,1-Trichloroethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,1,2-Trichloroethane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Trichloroethene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Trichlorofluoromethane	<41.2		ug/kg dry		41.2	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2,3-Trichloropropane	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,2,4-Trimethylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
1,3,5-Trimethylbenzene	<10.3		ug/kg dry		10.3	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Vinyl chloride	<30.9		ug/kg dry		30.9	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Xylenes, total	<30.9		ug/kg dry		30.9	1.76	08/20/10 17:52	EEE	10H0882	SW 8260B
Surr: Dibromofluoromethane (75-125%)	*97 %*									
Surr: Toluene-d8 (80-120%)	*97 %*									
Surr: 4-Bromofluorobenzene (80-120%)	*101 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.00816		mg/kg dry	0.00816	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Acenaphthylene	<0.00933		mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Anthracene	<0.0117	L	mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzidine	<0.00933		mg/kg dry	0.00933	3.85	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzo (a) anthracene	<0.0128		mg/kg dry	0.0128	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzo (b) fluoranthene	<0.0175		mg/kg dry	0.0175	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzo (k) fluoranthene	<0.0140		mg/kg dry	0.0140	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzo (a) pyrene	<0.0163		mg/kg dry	0.0163	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzo (g,h,i) perylene	<0.0187		mg/kg dry	0.0187	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzyl alcohol	<0.0105		mg/kg dry	0.0105	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Butyl benzyl phthalate	<0.0233		mg/kg dry	0.0233	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Bis(2-chloroethyl)ether	<0.00816		mg/kg dry	0.00816	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Bis(2-chloroethoxy)methane	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.0245		mg/kg dry	0.0245	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Bis(2-chloroisopropyl) ether	<0.00816		mg/kg dry	0.00816	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Bromophenyl phenyl ether	<0.0198		mg/kg dry	0.0198	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Carbazole	<0.0152		mg/kg dry	0.0152	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Chloroaniline	<0.00816		mg/kg dry	0.00816	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2-Chloronaphthalene	<0.0128		mg/kg dry	0.0128	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Chlorophenyl phenyl ether	<0.0140		mg/kg dry	0.0140	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Chrysene	<0.0140		mg/kg dry	0.0140	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Dibenzo (a,h) anthracene	<0.0222		mg/kg dry	0.0222	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Dibenzofuran	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Di-n-butyl phthalate	<0.0233		mg/kg dry	0.0233	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
1,2-Dichlorobenzene	**0.0360**	J	mg/kg dry	0.0105	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
1,3-Dichlorobenzene	<0.00933		mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-07 (B-6 10-12' - Soil) - cont. — **Sampled: 08/17/10 12:55** — **Recvd: 08/18/10 09:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
1,4-Dichlorobenzene	<0.00933		mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
3,3'-Dichlorobenzidine	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Diethyl phthalate	<0.0140		mg/kg dry	0.0140	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Dimethyl phthalate	<0.0163		mg/kg dry	0.0163	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,4-Dinitrotoluene	<0.0210		mg/kg dry	0.0210	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,6-Dinitrotoluene	<0.0163		mg/kg dry	0.0163	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Di-n-octyl phthalate	<0.0431		mg/kg dry	0.0431	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Fluoranthene	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Fluorene	<0.0105		mg/kg dry	0.0105	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Hexachlorobenzene	<0.0163		mg/kg dry	0.0163	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Hexachlorobutadiene	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Hexachlorocyclopentadiene	<0.0140		mg/kg dry	0.0140	0.770	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Hexachloroethane	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.0175		mg/kg dry	0.0175	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Isophorone	<0.0105		mg/kg dry	0.0105	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2-Methylnaphthalene	<0.00933		mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Naphthalene	<0.302		mg/kg dry	0.302	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2-Nitroaniline	<0.0163		mg/kg dry	0.0163	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
3-Nitroaniline	<0.0140		mg/kg dry	0.0140	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Nitroaniline	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Nitrobenzene	<0.0128		mg/kg dry	0.0128	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
N-Nitrosodimethylamine	<0.00933		mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
N-Nitrosodiphenylamine	<0.0152		mg/kg dry	0.0152	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
N-Nitrosodi-n-propylamine	<0.0793		mg/kg dry	0.0793	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Phenanthrene	<0.0140		mg/kg dry	0.0140	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Pyrene	<0.0152		mg/kg dry	0.0152	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Pyridine	<0.0105		mg/kg dry	0.0105	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
1,2,4-Trichlorobenzene	<0.00816		mg/kg dry	0.00816	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Benzoic acid	<0.513		mg/kg dry	0.513	0.770	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Chloro-3-methylphenol	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2-Chlorophenol	<0.0117		mg/kg dry	0.0117	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Cresol(s)	<0.292		mg/kg dry	0.292	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,4-Dichlorophenol	<0.0105		mg/kg dry	0.0105	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,4-Dimethylphenol	<0.0175		mg/kg dry	0.0175	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,4-Dinitrophenol	<0.0828		mg/kg dry	0.0828	0.770	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4,6-Dinitro-2-methylphenol	**0.0203**	J	mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2-Methylphenol (o-Cresol)	<0.300		mg/kg dry	0.300	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Methylphenol (p-Cresol)	<0.00933		mg/kg dry	0.00933	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2-Nitrophenol	<0.0268		mg/kg dry	0.0268	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
4-Nitrophenol	<0.0187		mg/kg dry	0.0187	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Pentachlorophenol	<0.280		mg/kg dry	0.280	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Phenol	<0.280		mg/kg dry	0.280	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,4,5-Trichlorophenol	<0.0187		mg/kg dry	0.0187	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
2,4,6-Trichlorophenol	<0.0233		mg/kg dry	0.0233	0.385	0.998	08/20/10 13:57	dmd	10H0780	SW 8270C
Surr: Nitrobenzene-d5 (30-115%)	*71 %*									
Surr: 2-Fluorobiphenyl (40-110%)	*68 %*									
Surr: Terphenyl-d14 (45-145%)	*84 %*									
Surr: Phenol-d6 (25-120%)	*77 %*									
Surr: 2-Fluorophenol (30-115%)	*73 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-07 (B-6 10-12' - Soil) - cont.						**Sampled: 08/17/10 12:55**			**Recvd: 08/18/10 09:30**	
Semivolatile Organics by GC/MS - cont.										
Surr: 2,4,6-Tribromophenol (50-125%)	*80 %*									
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<10.0		mg/kg		10.0	1	08/20/10 00:10	jdb	[CALC]	OA-2 - 8015B
Diesel	<10.0		mg/kg		10.0	0.992	08/20/10 00:10	jdb	10H0749	OA-2 - 8015B
Gasoline	<10.0		mg/kg		10.0	0.992	08/20/10 00:10	jdb	10H0749	OA-2 - 8015B
Motor Oil	<10.0		mg/kg		10.0	0.992	08/20/10 00:10	jdb	10H0749	OA-2 - 8015B
Surr: Octacosane (50-150%)	*97 %*									

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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-08 (B-2 0-6' - Soil)						**Sampled: 08/17/10 13:40**				**Recvd: 08/18/10 09:30**
Sampled By:	**Sara Ziehr**				**Phone**	**319-366-8321**				
General Chemistry Parameters										
% Solids	**90.3**		%		0.100	1	08/18/10 15:28	sas	10H0729	SM 2540 G
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
alpha-BHC	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
beta-BHC	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
delta-BHC	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
gamma-BHC (Lindane)	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
alpha-Chlordane	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
gamma-Chlordane	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Chlordane	<73.9		ug/kg dry		73.9	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Dieldrin	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
4,4'-DDD	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
4,4'-DDE	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
4,4'-DDT	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Endosulfan I	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Endosulfan II	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Endosulfan sulfate	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Endrin	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Endrin aldehyde	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Endrin ketone	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Heptachlor	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Heptachlor epoxide	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Methoxychlor	<5.87		ug/kg dry		5.87	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Toxaphene	<73.9		ug/kg dry		73.9	0.993	08/20/10 01:22	ztb	10H0718	SW 8081A
Surr: Decachlorobiphenyl (45-145%)	*83 %*									
Surr: Tetrachloro-meta-xylene (55-105%)	*75 %*									

TERRACON - CEDAR RAPIDS
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-09 (B-2 10-12' - Soil) **Sampled: 08/17/10 13:45** **Recvd: 08/18/10 09:30**

Sampled By: **Sara Ziehr** **Phone** **319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
General Chemistry Parameters										
% Solids	**89.6**		%		0.100	1	08/19/10 11:58	sas	10H0763	SM 2540 G
Volatile Organic Compounds										
Acetone	<117		ug/kg dry		117	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Acrylonitrile	<117		ug/kg dry		117	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Benzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Bromobenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Bromochloromethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Bromodichloromethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Bromoform	<23.3		ug/kg dry		23.3	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Bromomethane	<46.6		ug/kg dry		46.6	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
2-Butanone (MEK)	<117		ug/kg dry		117	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
n-Butylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
sec-Butylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
tert-Butylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Carbon disulfide	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Carbon Tetrachloride	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Chlorobenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Chlorodibromomethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Chloroethane	<46.6		ug/kg dry		46.6	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Chloroform	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Chloromethane	<46.6		ug/kg dry		46.6	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
2-Chlorotoluene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
4-Chlorotoluene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2-Dibromo-3-chloropropane	<117		ug/kg dry		117	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2-Dibromoethane (EDB)	<117		ug/kg dry		117	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Dibromomethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2-Dichlorobenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,3-Dichlorobenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,4-Dichlorobenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Dichlorodifluoromethane	<35.0		ug/kg dry		35.0	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1-Dichloroethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2-Dichloroethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1-Dichloroethene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
cis-1,2-Dichloroethene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
trans-1,2-Dichloroethene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2-Dichloropropane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,3-Dichloropropane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
2,2-Dichloropropane	<46.6	CIN	ug/kg dry		46.6	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1-Dichloropropene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
cis-1,3-Dichloropropene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
trans-1,3-Dichloropropene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Ethylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Hexachlorobutadiene	<58.3		ug/kg dry		58.3	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Hexane	<58.3		ug/kg dry		58.3	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Isopropylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
p-Isopropyltoluene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Methylene Chloride	<117		ug/kg dry		117	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-09 (B-2 10-12' - Soil) - cont.						**Sampled: 08/17/10 13:45**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
Methyl tert-Butyl Ether	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Naphthalene	<58.3		ug/kg dry		58.3	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
n-Propylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Styrene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1,1,2-Tetrachloroethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1,2,2-Tetrachloroethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Tetrachloroethene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Toluene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2,3-Trichlorobenzene	<58.3		ug/kg dry		58.3	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2,4-Trichlorobenzene	<58.3		ug/kg dry		58.3	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1,1-Trichloroethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,1,2-Trichloroethane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Trichloroethene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Trichlorofluoromethane	<46.6		ug/kg dry		46.6	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2,3-Trichloropropane	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,2,4-Trimethylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
1,3,5-Trimethylbenzene	<11.7		ug/kg dry		11.7	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Vinyl chloride	<35.0		ug/kg dry		35.0	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Xylenes, total	<35.0		ug/kg dry		35.0	2.09	08/20/10 18:23	EEE	10H0882	SW 8260B
Surr: Dibromofluoromethane (75-125%)	*97 %*									
Surr: Toluene-d8 (80-120%)	*96 %*									
Surr: 4-Bromofluorobenzene (80-120%)	*102 %*									

TERRACON - CEDAR RAPIDS
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Kirk Johnson

Work Order: CTH0902
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Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-10 (B-1 10-12' - Soil) **Sampled: 08/17/10 14:20** **Recvd: 08/18/10 09:30**

Sampled By: **Sara Ziehr** **Phone** **319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
General Chemistry Parameters										
% Solids	**87.4**		%		0.100	1	08/19/10 11:58	sas	10H0763	SM 2540 G
Volatile Organic Compounds										
Acetone	<104		ug/kg dry		104	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Acrylonitrile	<104		ug/kg dry		104	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Benzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Bromobenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Bromochloromethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Bromodichloromethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Bromoform	<20.8		ug/kg dry		20.8	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Bromomethane	<41.5		ug/kg dry		41.5	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
2-Butanone (MEK)	<104	L	ug/kg dry		104	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
n-Butylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
sec-Butylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
tert-Butylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Carbon disulfide	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Carbon Tetrachloride	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Chlorobenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Chlorodibromomethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Chloroethane	<41.5		ug/kg dry		41.5	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Chloroform	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Chloromethane	<41.5		ug/kg dry		41.5	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
2-Chlorotoluene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
4-Chlorotoluene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2-Dibromo-3-chloropropane	<104		ug/kg dry		104	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2-Dibromoethane (EDB)	<104		ug/kg dry		104	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Dibromomethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2-Dichlorobenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,3-Dichlorobenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,4-Dichlorobenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Dichlorodifluoromethane	<31.2		ug/kg dry		31.2	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1-Dichloroethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2-Dichloroethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1-Dichloroethene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
cis-1,2-Dichloroethene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
trans-1,2-Dichloroethene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2-Dichloropropane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,3-Dichloropropane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
2,2-Dichloropropane	<41.5	CIN	ug/kg dry		41.5	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1-Dichloropropene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
cis-1,3-Dichloropropene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
trans-1,3-Dichloropropene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Ethylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Hexachlorobutadiene	<51.9		ug/kg dry		51.9	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Hexane	<51.9		ug/kg dry		51.9	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Isopropylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
p-Isopropyltoluene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Methylene Chloride	<104		ug/kg dry		104	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-10 (B-1 10-12' - Soil) - cont.						**Sampled: 08/17/10 14:20**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
Methyl tert-Butyl Ether	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Naphthalene	<51.9		ug/kg dry		51.9	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
n-Propylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Styrene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1,1,2-Tetrachloroethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1,2,2-Tetrachloroethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Tetrachloroethene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Toluene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2,3-Trichlorobenzene	<51.9		ug/kg dry		51.9	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2,4-Trichlorobenzene	<51.9		ug/kg dry		51.9	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1,1-Trichloroethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,1,2-Trichloroethane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Trichloroethene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Trichlorofluoromethane	<41.5		ug/kg dry		41.5	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2,3-Trichloropropane	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,2,4-Trimethylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
1,3,5-Trimethylbenzene	<10.4		ug/kg dry		10.4	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Vinyl chloride	<31.2		ug/kg dry		31.2	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Xylenes, total	<31.2		ug/kg dry		31.2	1.81	08/23/10 13:22	EEE	10H0931	SW 8260B
Surr: Dibromofluoromethane (75-125%)	*101 %*									
Surr: Toluene-d8 (80-120%)	*97 %*									
Surr: 4-Bromofluorobenzene (80-120%)	*99 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.00801		mg/kg dry	0.00801	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Acenaphthylene	<0.00916		mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Anthracene	<0.0114	L	mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzidine	<0.00916		mg/kg dry	0.00916	3.78	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzo (a) anthracene	<0.0126		mg/kg dry	0.0126	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzo (b) fluoranthene	<0.0172		mg/kg dry	0.0172	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzo (k) fluoranthene	<0.0137		mg/kg dry	0.0137	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzo (a) pyrene	<0.0160		mg/kg dry	0.0160	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzo (g,h,i) perylene	<0.0183		mg/kg dry	0.0183	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzyl alcohol	<0.0103		mg/kg dry	0.0103	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Butyl benzyl phthalate	<0.0229		mg/kg dry	0.0229	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Bis(2-chloroethyl)ether	<0.00801		mg/kg dry	0.00801	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Bis(2-chloroethoxy)methane	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.0240		mg/kg dry	0.0240	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Bis(2-chloroisopropyl) ether	<0.00801		mg/kg dry	0.00801	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Bromophenyl phenyl ether	<0.0195		mg/kg dry	0.0195	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Carbazole	<0.0149		mg/kg dry	0.0149	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Chloroaniline	<0.00801		mg/kg dry	0.00801	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2-Chloronaphthalene	<0.0126		mg/kg dry	0.0126	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Chlorophenyl phenyl ether	<0.0137		mg/kg dry	0.0137	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Chrysene	<0.0137		mg/kg dry	0.0137	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Dibenzo (a,h) anthracene	<0.0217		mg/kg dry	0.0217	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Dibenzofuran	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Di-n-butyl phthalate	<0.0229		mg/kg dry	0.0229	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
1,2-Dichlorobenzene	**0.0357**	J	mg/kg dry	0.0103	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
1,3-Dichlorobenzene	<0.00916		mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-10 (B-1 10-12' - Soil) - cont.						**Sampled: 08/17/10 14:20**			**Recvd: 08/18/10 09:30**	
Semivolatile Organics by GC/MS - cont.										
1,4-Dichlorobenzene	<0.00916		mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
3,3'-Dichlorobenzidine	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Diethyl phthalate	<0.0137		mg/kg dry	0.0137	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Dimethyl phthalate	<0.0160		mg/kg dry	0.0160	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,4-Dinitrotoluene	<0.0206		mg/kg dry	0.0206	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,6-Dinitrotoluene	<0.0160		mg/kg dry	0.0160	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Di-n-octyl phthalate	<0.0424		mg/kg dry	0.0424	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Fluoranthene	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Fluorene	<0.0103		mg/kg dry	0.0103	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Hexachlorobenzene	<0.0160		mg/kg dry	0.0160	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Hexachlorobutadiene	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Hexachlorocyclopentadiene	<0.0137		mg/kg dry	0.0137	0.756	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Hexachloroethane	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.0172		mg/kg dry	0.0172	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Isophorone	<0.0103		mg/kg dry	0.0103	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2-Methylnaphthalene	<0.00916		mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Naphthalene	<0.296		mg/kg dry	0.296	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2-Nitroaniline	<0.0160		mg/kg dry	0.0160	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
3-Nitroaniline	<0.0137		mg/kg dry	0.0137	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Nitroaniline	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Nitrobenzene	<0.0126		mg/kg dry	0.0126	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
N-Nitrosodimethylamine	<0.00916		mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
N-Nitrosodiphenylamine	<0.0149		mg/kg dry	0.0149	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
N-Nitrosodi-n-propylamine	<0.0778		mg/kg dry	0.0778	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Phenanthrene	<0.0137		mg/kg dry	0.0137	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Pyrene	<0.0149		mg/kg dry	0.0149	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Pyridine	<0.0103		mg/kg dry	0.0103	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
1,2,4-Trichlorobenzene	<0.00801		mg/kg dry	0.00801	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Benzoic acid	<0.504		mg/kg dry	0.504	0.756	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Chloro-3-methylphenol	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2-Chlorophenol	<0.0114		mg/kg dry	0.0114	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Cresol(s)	<0.286		mg/kg dry	0.286	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,4-Dichlorophenol	<0.0103		mg/kg dry	0.0103	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,4-Dimethylphenol	<0.0172		mg/kg dry	0.0172	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,4-Dinitrophenol	<0.0813		mg/kg dry	0.0813	0.756	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4,6-Dinitro-2-methylphenol	**0.0136**	J	mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2-Methylphenol (o-Cresol)	<0.294		mg/kg dry	0.294	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Methylphenol (p-Cresol)	<0.00916		mg/kg dry	0.00916	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2-Nitrophenol	<0.0263		mg/kg dry	0.0263	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
4-Nitrophenol	<0.0183		mg/kg dry	0.0183	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Pentachlorophenol	<0.275		mg/kg dry	0.275	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Phenol	<0.275		mg/kg dry	0.275	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,4,5-Trichlorophenol	<0.0183		mg/kg dry	0.0183	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
2,4,6-Trichlorophenol	<0.0229		mg/kg dry	0.0229	0.378	0.998	08/20/10 14:21	dmd	10H0780	SW 8270C
Surr: Nitrobenzene-d5 (30-115%)	*73 %*									
Surr: 2-Fluorobiphenyl (40-110%)	*71 %*									
Surr: Terphenyl-d14 (45-145%)	*86 %*									
Surr: Phenol-d6 (25-120%)	*75 %*									
Surr: 2-Fluorophenol (30-115%)	*74 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
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Work Order: CTH0902
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Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-10 (B-1 10-12' - Soil) - cont.						**Sampled: 08/17/10 14:20**			**Recvd: 08/18/10 09:30**	
Semivolatile Organics by GC/MS - cont.										
Surr: 2,4,6-Tribromophenol (50-125%)	*81 %*									
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<10.0		mg/kg		10.0	1	08/20/10 00:53	jdb	[CALC]	OA-2 - 8015B
Diesel	<10.0		mg/kg		10.0	0.969	08/20/10 00:53	jdb	10H0749	OA-2 - 8015B
Gasoline	<10.0		mg/kg		10.0	0.969	08/20/10 00:53	jdb	10H0749	OA-2 - 8015B
Motor Oil	<10.0		mg/kg		10.0	0.969	08/20/10 00:53	jdb	10H0749	OA-2 - 8015B
Surr: Octacosane (50-150%)	*97 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
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Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-11 (B-1 - Ground Water) **Sampled: 08/17/10 14:40** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0	C9, CIN	ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
2-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
4-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0		ug/L		20.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-11 (B-1 - Ground Water) - cont.						**Sampled: 08/17/10 14:40**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00	C9	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00	C	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2,3-Trichloropropane	<1.00	C	ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,2,4-Trimethylbenzene	<4.00	C9	ug/L		4.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
1,3,5-Trimethylbenzene	<2.00	C	ug/L		2.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Xylenes, total	<3.00	C9	ug/L		3.00	1	08/21/10 23:34	sjn	10H0875	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*96 %*									
Surr: Toluene-d8 (80-120%)	*96 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*98 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.300		ug/L	0.300	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Acenaphthylene	<0.210		ug/L	0.210	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Anthracene	<0.170	L	ug/L	0.170	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzidine	<0.470		ug/L	0.470	100	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzo (a) anthracene	<0.240		ug/L	0.240	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzo (b) fluoranthene	<0.310		ug/L	0.310	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzo (k) fluoranthene	<0.200		ug/L	0.200	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzo (a) pyrene	<0.250		ug/L	0.250	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzo (g,h,i) perylene	<0.230		ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzyl alcohol	<0.180		ug/L	0.180	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Butyl benzyl phthalate	<0.340		ug/L	0.340	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Bis(2-chloroethyl)ether	<0.180		ug/L	0.180	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Bis(2-chloroethoxy)methane	<0.260		ug/L	0.260	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.390		ug/L	0.390	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Bis(2-chloroisopropyl) ether	<0.180		ug/L	0.180	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Bromophenyl phenyl ether	<0.290		ug/L	0.290	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Carbazole	<0.260		ug/L	0.260	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Chloroaniline	<0.140		ug/L	0.140	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2-Chloronaphthalene	<0.230		ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Chlorophenyl phenyl ether	<0.250		ug/L	0.250	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Chrysene	<0.290		ug/L	0.290	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Dibenzo (a,h) anthracene	<0.250		ug/L	0.250	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Dibenzofuran	<0.240		ug/L	0.240	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Di-n-butyl phthalate	**0.568**	J	ug/L	0.510	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
1,2-Dichlorobenzene	**0.301**	J	ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
1,3-Dichlorobenzene	<0.140		ug/L	0.140	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
1,4-Dichlorobenzene	<0.150		ug/L	0.150	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
3,3'-Dichlorobenzidine	<0.460		ug/L	0.460	50.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C

TERRACON - CEDAR RAPIDS
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-11 (B-1 - Ground Water) - cont. **Sampled: 08/17/10 14:40** **Recvd: 08/18/10 09:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Diethyl phthalate	**0.656**	J	ug/L	0.260	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Dimethyl phthalate	<0.230		ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,4-Dinitrotoluene	<0.190		ug/L	0.190	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,6-Dinitrotoluene	<0.240		ug/L	0.240	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Di-n-octyl phthalate	<0.230		ug/L	0.230	20.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Fluoranthene	<0.330		ug/L	0.330	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Fluorene	<0.290		ug/L	0.290	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Hexachlorobenzene	<0.270		ug/L	0.270	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Hexachlorobutadiene	<0.130		ug/L	0.130	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Hexachlorocyclopentadiene	<1.89		ug/L	1.89	20.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Hexachloroethane	<0.130		ug/L	0.130	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.240		ug/L	0.240	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Isophorone	<0.220		ug/L	0.220	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2-Methylnaphthalene	<0.190		ug/L	0.190	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Naphthalene	<0.230		ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2-Nitroaniline	<0.230		ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
3-Nitroaniline	<0.220		ug/L	0.220	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Nitroaniline	<0.320		ug/L	0.320	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Nitrobenzene	<0.220		ug/L	0.220	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
N-Nitrosodimethylamine	<0.140		ug/L	0.140	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
N-Nitrosodiphenylamine	<0.660		ug/L	0.660	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
N-Nitrosodi-n-propylamine	<0.260		ug/L	0.260	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Phenanthrene	<0.600		ug/L	0.600	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Pyrene	<0.230		ug/L	0.230	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Pyridine	<0.210		ug/L	0.210	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
1,2,4-Trichlorobenzene	<0.120		ug/L	0.120	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Benzoic acid	<1.01		ug/L	1.01	100	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Chloro-3-methylphenol	<0.190		ug/L	0.190	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2-Chlorophenol	<0.150		ug/L	0.150	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Cresol(s)	<0.180		ug/L	0.180	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,4-Dichlorophenol	<0.150		ug/L	0.150	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,4-Dimethylphenol	<0.210		ug/L	0.210	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,4-Dinitrophenol	<1.34		ug/L	1.34	20.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4,6-Dinitro-2-methylphenol	<2.22		ug/L	2.22	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2-Methylphenol (o-Cresol)	<0.180		ug/L	0.180	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Methylphenol (p-Cresol)	<0.180		ug/L	0.180	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2-Nitrophenol	<0.160		ug/L	0.160	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
4-Nitrophenol	<0.120		ug/L	0.120	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Pentachlorophenol	**0.369**	J	ug/L	0.244	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Phenol	<2.40		ug/L	2.40	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,4,5-Trichlorophenol	<0.320		ug/L	0.320	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
2,4,6-Trichlorophenol	<0.220		ug/L	0.220	10.0	1.03	08/23/10 11:39	dmd	10H0721	SW 8270C
Surr: Nitrobenzene-d5 (35-110%)	*21 %*	*ZX*								
Surr: 2-Fluorobiphenyl (35-100%)	*20 %*	*ZX*								
Surr: Terphenyl-d14 (35-135%)	*23 %*	*ZX*								
Surr: Phenol-d6 (10-60%)	*5 %*	*ZX*								
Surr: 2-Fluorophenol (20-80%)	*7 %*	*ZX*								
Surr: 2,4,6-Tribromophenol (45-120%)	*15 %*	*ZX*								

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-11 (B-1 - Ground Water) - cont.						**Sampled: 08/17/10 14:40**			**Recvd: 08/18/10 09:30**	
VOC Preservation Check										
pH	**>2**	P	units		2.00	1	08/23/10 16:11	eee	10H0900	SW
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<300		ug/L		300	1	08/19/10 13:11	jdb	[CALC]	OA-2 - 8015B
Diesel	<300		ug/L		300	1.05	08/19/10 13:11	jdb	10H0713	OA-2 - 8015B
Gasoline	<300		ug/L		300	1.05	08/19/10 13:11	jdb	10H0713	OA-2 - 8015B
Motor Oil	<300		ug/L		300	1.05	08/19/10 13:11	jdb	10H0713	OA-2 - 8015B
Surr: Octacosane (55-150%)	*93 %*									

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Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-12 (B-2 - Ground Water) **Sampled: 08/17/10 15:05** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0	C9, CIN	ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
2-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
4-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0		ug/L		20.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-12 (B-2 - Ground Water) - cont.						**Sampled: 08/17/10 15:05**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00	C9	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00	C	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2,3-Trichloropropane	<1.00	C	ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,2,4-Trimethylbenzene	<4.00	C9	ug/L		4.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
1,3,5-Trimethylbenzene	<2.00	C	ug/L		2.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Xylenes, total	<3.00	C9	ug/L		3.00	1	08/22/10 00:00	sjn	10H0875	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*91 %*									
Surr: Toluene-d8 (80-120%)	*97 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*96 %*									
VOC Preservation Check										
pH	**>2**	P	units		2.00	1	08/23/10 16:11	eee	10H0900	SW
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
alpha-BHC	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
beta-BHC	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
delta-BHC	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
gamma-BHC (Lindane)	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
alpha-Chlordane	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
gamma-Chlordane	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Chlordane	<2.00		ug/L		2.00	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Dieldrin	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
4,4'-DDD	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
4,4'-DDE	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
4,4'-DDT	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Endosulfan I	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Endosulfan II	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Endosulfan sulfate	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Endrin	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Endrin aldehyde	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Endrin ketone	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Heptachlor	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Heptachlor epoxide	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Methoxychlor	<0.0320		ug/L		0.0320	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Toxaphene	<2.00		ug/L		2.00	1.03	08/19/10 22:29	ztb	10H0716	SW 8081A
Surr: Decachlorobiphenyl (45-130%)	*39 %*	*Z6*								
Surr: Tetrachloro-meta-xylene (30-100%)	*65 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-13 (B-3 - Ground Water) **Sampled: 08/17/10 15:25** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0	C9, CIN	ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
2-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
4-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0		ug/L		20.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-13 (B-3 - Ground Water) - cont.						**Sampled: 08/17/10 15:25**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00	C9	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00	C	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2,3-Trichloropropane	<1.00	C	ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,2,4-Trimethylbenzene	<4.00	C9	ug/L		4.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
1,3,5-Trimethylbenzene	<2.00	C	ug/L		2.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Xylenes, total	<3.00	C9	ug/L		3.00	1	08/22/10 00:26	sjn	10H0875	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*98 %*									
Surr: Toluene-d8 (80-120%)	*95 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*99 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.300		ug/L	0.300	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Acenaphthylene	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Anthracene	<0.170	L	ug/L	0.170	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzidine	<0.470		ug/L	0.470	100	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzo (a) anthracene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzo (b) fluoranthene	<0.310		ug/L	0.310	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzo (k) fluoranthene	<0.200		ug/L	0.200	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzo (a) pyrene	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzo (g,h,i) perylene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzyl alcohol	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Butyl benzyl phthalate	<0.340		ug/L	0.340	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Bis(2-chloroethyl)ether	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Bis(2-chloroethoxy)methane	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Bis(2-ethylhexyl)phthalate	**0.755**	J	ug/L	0.390	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Bis(2-chloroisopropyl) ether	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Bromophenyl phenyl ether	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Carbazole	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Chloroaniline	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2-Chloronaphthalene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Chlorophenyl phenyl ether	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Chrysene	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Dibenzo (a,h) anthracene	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Dibenzofuran	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Di-n-butyl phthalate	**0.576**	J	ug/L	0.510	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
1,2-Dichlorobenzene	**0.588**	J	ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
1,3-Dichlorobenzene	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
1,4-Dichlorobenzene	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
3,3'-Dichlorobenzidine	<0.460		ug/L	0.460	50.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-13 (B-3 - Ground Water) - cont. — **Sampled: 08/17/10 15:25** — **Recvd: 08/18/10 09:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Diethyl phthalate	**0.579**	J	ug/L	0.260	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Dimethyl phthalate	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,4-Dinitrotoluene	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,6-Dinitrotoluene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Di-n-octyl phthalate	<0.230		ug/L	0.230	20.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Fluoranthene	<0.330		ug/L	0.330	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Fluorene	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Hexachlorobenzene	<0.270		ug/L	0.270	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Hexachlorobutadiene	<0.130		ug/L	0.130	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Hexachlorocyclopentadiene	<1.89		ug/L	1.89	20.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Hexachloroethane	<0.130		ug/L	0.130	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Isophorone	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2-Methylnaphthalene	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Naphthalene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2-Nitroaniline	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
3-Nitroaniline	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Nitroaniline	<0.320		ug/L	0.320	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Nitrobenzene	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
N-Nitrosodimethylamine	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
N-Nitrosodiphenylamine	<0.660		ug/L	0.660	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
N-Nitrosodi-n-propylamine	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Phenanthrene	<0.600		ug/L	0.600	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Pyrene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Pyridine	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
1,2,4-Trichlorobenzene	<0.120		ug/L	0.120	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Benzoic acid	<1.01		ug/L	1.01	100	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Chloro-3-methylphenol	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2-Chlorophenol	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Cresol(s)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,4-Dichlorophenol	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,4-Dimethylphenol	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,4-Dinitrophenol	<1.34		ug/L	1.34	20.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4,6-Dinitro-2-methylphenol	<2.22		ug/L	2.22	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2-Methylphenol (o-Cresol)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Methylphenol (p-Cresol)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2-Nitrophenol	<0.160		ug/L	0.160	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
4-Nitrophenol	<0.120		ug/L	0.120	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Pentachlorophenol	<0.244		ug/L	0.244	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Phenol	<2.40		ug/L	2.40	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,4,5-Trichlorophenol	<0.320		ug/L	0.320	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
2,4,6-Trichlorophenol	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:03	dmd	10H0721	SW 8270C
Surr: Nitrobenzene-d5 (35-110%)	*41 %*									
Surr: 2-Fluorobiphenyl (35-100%)	*31 %*	*ZX*								
Surr: Terphenyl-d14 (35-135%)	*23 %*	*ZX*								
Surr: Phenol-d6 (10-60%)	*10 %*									
Surr: 2-Fluorophenol (20-80%)	*13 %*	*ZX*								
Surr: 2,4,6-Tribromophenol (45-120%)	*27 %*	*ZX*								

TERRACON - CEDAR RAPIDS
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-13 (B-3 - Ground Water) - cont.						**Sampled: 08/17/10 15:25**			**Recvd: 08/18/10 09:30**	
VOC Preservation Check										
pH	<2.00		units		2.00	1	08/23/10 16:11	eee	10H0900	SW
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	**320**		ug/L		300	1	08/19/10 13:54	jdb	[CALC]	OA-2 - 8015B
Diesel	<300		ug/L		300	1.03	08/19/10 13:54	jdb	10H0713	OA-2 - 8015B
Gasoline	<300		ug/L		300	1.03	08/19/10 13:54	jdb	10H0713	OA-2 - 8015B
Motor Oil	**320**		ug/L		300	1.03	08/19/10 13:54	jdb	10H0713	OA-2 - 8015B
Surr: Octacosane (55-150%)	*97 %*									
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
alpha-BHC	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
beta-BHC	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
delta-BHC	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
gamma-BHC (Lindane)	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
alpha-Chlordane	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
gamma-Chlordane	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Chlordane	<2.00		ug/L		2.00	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Dieldrin	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
4,4'-DDD	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
4,4'-DDE	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
4,4'-DDT	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Endosulfan I	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Endosulfan II	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Endosulfan sulfate	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Endrin	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Endrin aldehyde	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Endrin ketone	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Heptachlor	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Heptachlor epoxide	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Methoxychlor	<0.0320		ug/L		0.0320	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Toxaphene	<2.00		ug/L		2.00	1.03	08/19/10 22:41	ztb	10H0716	SW 8081A
Surr: Decachlorobiphenyl (45-130%)	*21 %*	*Z6*								
Surr: Tetrachloro-meta-xylene (30-100%)	*62 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-14 (B-4 - Ground Water) **Sampled: 08/17/10 15:50** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone** 319-366-8321

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0	C9, CIN	ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
2-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
4-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0		ug/L		20.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B

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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-14 (B-4 - Ground Water) - cont.						**Sampled: 08/17/10 15:50**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00	C9	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00	C	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Tetrachloroethene	**2.51**		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2,3-Trichloropropane	<1.00	C	ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,2,4-Trimethylbenzene	<4.00	C9	ug/L		4.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
1,3,5-Trimethylbenzene	<2.00	C	ug/L		2.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Xylenes, total	<3.00	C9	ug/L		3.00	1	08/22/10 00:52	sjn	10H0875	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*97 %*									
Surr: Toluene-d8 (80-120%)	*96 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*95 %*									
VOC Preservation Check										
pH	<2.00		units		2.00	1	08/23/10 16:11	eee	10H0900	SW

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-15 (B-5 - Ground Water) **Sampled: 08/17/10 16:00** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0	C9, CIN	ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
2-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
4-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0		ug/L		20.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-15 (B-5 - Ground Water) - cont.						**Sampled: 08/17/10 16:00**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00	C9	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00	C	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2,3-Trichloropropane	<1.00	C	ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,2,4-Trimethylbenzene	<4.00	C9	ug/L		4.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
1,3,5-Trimethylbenzene	<2.00	C	ug/L		2.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Xylenes, total	<3.00	C9	ug/L		3.00	1	08/22/10 01:18	sjn	10H0875	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*98 %*									
Surr: Toluene-d8 (80-120%)	*99 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*94 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.300		ug/L	0.300	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Acenaphthylene	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Anthracene	<0.170	L	ug/L	0.170	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzidine	<0.470		ug/L	0.470	100	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzo (a) anthracene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzo (b) fluoranthene	<0.310		ug/L	0.310	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzo (k) fluoranthene	<0.200		ug/L	0.200	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzo (a) pyrene	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzo (g,h,i) perylene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzyl alcohol	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Butyl benzyl phthalate	<0.340		ug/L	0.340	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Bis(2-chloroethyl)ether	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Bis(2-chloroethoxy)methane	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Bis(2-ethylhexyl)phthalate	<0.390		ug/L	0.390	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Bis(2-chloroisopropyl) ether	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Bromophenyl phenyl ether	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Carbazole	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Chloroaniline	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2-Chloronaphthalene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Chlorophenyl phenyl ether	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Chrysene	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Dibenzo (a,h) anthracene	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Dibenzofuran	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Di-n-butyl phthalate	**0.679**	J	ug/L	0.510	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
1,2-Dichlorobenzene	**0.653**	J	ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
1,3-Dichlorobenzene	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
1,4-Dichlorobenzene	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
3,3'-Dichlorobenzidine	<0.460		ug/L	0.460	50.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C

TERRACON - CEDAR RAPIDS
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Work Order: CTH0902
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Project Number: 06107062

Received: 08/18/10
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ANALYTICAL REPORT

Sample ID: CTH0902-15 (B-5 - Ground Water) - cont. **Sampled: 08/17/10 16:00** **Recvd: 08/18/10 09:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Diethyl phthalate	**0.396**	J	ug/L	0.260	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Dimethyl phthalate	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,4-Dinitrotoluene	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,6-Dinitrotoluene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Di-n-octyl phthalate	<0.230		ug/L	0.230	20.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Fluoranthene	<0.330		ug/L	0.330	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Fluorene	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Hexachlorobenzene	<0.270		ug/L	0.270	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Hexachlorobutadiene	<0.130		ug/L	0.130	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Hexachlorocyclopentadiene	<1.89		ug/L	1.89	20.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Hexachloroethane	<0.130		ug/L	0.130	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Isophorone	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2-Methylnaphthalene	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Naphthalene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2-Nitroaniline	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
3-Nitroaniline	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Nitroaniline	<0.320		ug/L	0.320	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Nitrobenzene	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
N-Nitrosodimethylamine	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
N-Nitrosodiphenylamine	<0.660		ug/L	0.660	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
N-Nitrosodi-n-propylamine	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Phenanthrene	<0.600		ug/L	0.600	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Pyrene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Pyridine	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
1,2,4-Trichlorobenzene	<0.120		ug/L	0.120	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Benzoic acid	<1.01		ug/L	1.01	100	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Chloro-3-methylphenol	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2-Chlorophenol	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Cresol(s)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,4-Dichlorophenol	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,4-Dimethylphenol	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,4-Dinitrophenol	<1.34		ug/L	1.34	20.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4,6-Dinitro-2-methylphenol	<2.22		ug/L	2.22	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2-Methylphenol (o-Cresol)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Methylphenol (p-Cresol)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2-Nitrophenol	<0.160		ug/L	0.160	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
4-Nitrophenol	<0.120		ug/L	0.120	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Pentachlorophenol	<0.244		ug/L	0.244	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Phenol	<2.40		ug/L	2.40	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,4,5-Trichlorophenol	<0.320		ug/L	0.320	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
2,4,6-Trichlorophenol	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:27	dmd	10H0721	SW 8270C
Surr: Nitrobenzene-d5 (35-110%)	*50 %*									
Surr: 2-Fluorobiphenyl (35-100%)	*42 %*									
Surr: Terphenyl-d14 (35-135%)	*49 %*									
Surr: Phenol-d6 (10-60%)	*21 %*									
Surr: 2-Fluorophenol (20-80%)	*31 %*									
Surr: 2,4,6-Tribromophenol (45-120%)	*49 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-15 (B-5 - Ground Water) - cont.						**Sampled: 08/17/10 16:00**			**Recvd: 08/18/10 09:30**	
VOC Preservation Check										
pH	<2.00		units		2.00	1	08/23/10 16:11	eee	10H0900	SW
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<300		ug/L		300	1	08/19/10 14:36	jdb	[CALC]	OA-2 - 8015B
Diesel	<300		ug/L		300	1.03	08/19/10 14:36	jdb	10H0713	OA-2 - 8015B
Gasoline	<300		ug/L		300	1.03	08/19/10 14:36	jdb	10H0713	OA-2 - 8015B
Motor Oil	<300		ug/L		300	1.03	08/19/10 14:36	jdb	10H0713	OA-2 - 8015B
Surr: Octacosane (55-150%)	*88 %*									
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
alpha-BHC	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
beta-BHC	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
delta-BHC	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
gamma-BHC (Lindane)	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
alpha-Chlordane	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
gamma-Chlordane	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Chlordane	<2.00		ug/L		2.00	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Dieldrin	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
4,4'-DDD	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
4,4'-DDE	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
4,4'-DDT	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Endosulfan I	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Endosulfan II	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Endosulfan sulfate	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Endrin	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Endrin aldehyde	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Endrin ketone	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Heptachlor	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Heptachlor epoxide	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Methoxychlor	<0.0320		ug/L		0.0320	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Toxaphene	<2.00		ug/L		2.00	1.02	08/19/10 22:54	ztb	10H0716	SW 8081A
Surr: Decachlorobiphenyl (45-130%)	*33 %*	*Z6*								
Surr: Tetrachloro-meta-xylene (30-100%)	*69 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-16 (B-6 - Ground Water) **Sampled: 08/17/10 16:10** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0	C9, CIN	ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
2-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
4-Chlorotoluene	<1.00	C9	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0		ug/L		20.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B

TERRACON - CEDAR RAPIDS
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Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-16 (B-6 - Ground Water) - cont.						**Sampled: 08/17/10 16:10**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00	C9	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00	C	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2,3-Trichloropropane	<1.00	C	ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,2,4-Trimethylbenzene	<4.00	C9	ug/L		4.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
1,3,5-Trimethylbenzene	<2.00	C	ug/L		2.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Xylenes, total	<3.00	C9	ug/L		3.00	1	08/22/10 01:44	sjn	10H0875	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*101 %*									
Surr: Toluene-d8 (80-120%)	*102 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*90 %*									
Semivolatile Organics by GC/MS										
Acenaphthene	<0.300		ug/L	0.300	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Acenaphthylene	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Anthracene	<0.170	L	ug/L	0.170	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzidine	<0.470		ug/L	0.470	100	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzo (a) anthracene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzo (b) fluoranthene	<0.310		ug/L	0.310	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzo (k) fluoranthene	<0.200		ug/L	0.200	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzo (a) pyrene	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzo (g,h,i) perylene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzyl alcohol	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Butyl benzyl phthalate	<0.340		ug/L	0.340	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Bis(2-chloroethyl)ether	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Bis(2-chloroethoxy)methane	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Bis(2-ethylhexyl)phthalate	**0.404**	J	ug/L	0.390	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Bis(2-chloroisopropyl) ether	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Bromophenyl phenyl ether	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Carbazole	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Chloroaniline	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2-Chloronaphthalene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Chlorophenyl phenyl ether	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Chrysene	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Dibenzo (a,h) anthracene	<0.250		ug/L	0.250	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Dibenzofuran	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Di-n-butyl phthalate	**0.748**	J	ug/L	0.510	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
1,2-Dichlorobenzene	**0.789**	J	ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
1,3-Dichlorobenzene	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
1,4-Dichlorobenzene	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
3,3'-Dichlorobenzidine	<0.460		ug/L	0.460	50.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C

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Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH0902-16 (B-6 - Ground Water) - cont. **Sampled: 08/17/10 16:10** **Recvd: 08/18/10 09:30**

Semivolatile Organics by GC/MS - cont.

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Diethyl phthalate	**0.356**	J	ug/L	0.260	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Dimethyl phthalate	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,4-Dinitrotoluene	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,6-Dinitrotoluene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Di-n-octyl phthalate	<0.230		ug/L	0.230	20.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Fluoranthene	<0.330		ug/L	0.330	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Fluorene	<0.290		ug/L	0.290	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Hexachlorobenzene	<0.270		ug/L	0.270	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Hexachlorobutadiene	<0.130		ug/L	0.130	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Hexachlorocyclopentadiene	<1.89		ug/L	1.89	20.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Hexachloroethane	<0.130		ug/L	0.130	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Indeno (1,2,3-cd) pyrene	<0.240		ug/L	0.240	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Isophorone	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2-Methylnaphthalene	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Naphthalene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2-Nitroaniline	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
3-Nitroaniline	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Nitroaniline	<0.320		ug/L	0.320	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Nitrobenzene	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
N-Nitrosodimethylamine	<0.140		ug/L	0.140	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
N-Nitrosodiphenylamine	<0.660		ug/L	0.660	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
N-Nitrosodi-n-propylamine	<0.260		ug/L	0.260	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Phenanthrene	<0.600		ug/L	0.600	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Pyrene	<0.230		ug/L	0.230	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Pyridine	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
1,2,4-Trichlorobenzene	<0.120		ug/L	0.120	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Benzoic acid	<1.01		ug/L	1.01	100	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Chloro-3-methylphenol	<0.190		ug/L	0.190	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2-Chlorophenol	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Cresol(s)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,4-Dichlorophenol	<0.150		ug/L	0.150	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,4-Dimethylphenol	<0.210		ug/L	0.210	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,4-Dinitrophenol	<1.34		ug/L	1.34	20.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4,6-Dinitro-2-methylphenol	<2.22		ug/L	2.22	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2-Methylphenol (o-Cresol)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Methylphenol (p-Cresol)	<0.180		ug/L	0.180	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2-Nitrophenol	<0.160		ug/L	0.160	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
4-Nitrophenol	<0.120		ug/L	0.120	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Pentachlorophenol	**0.777**	J	ug/L	0.244	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Phenol	<2.40		ug/L	2.40	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,4,5-Trichlorophenol	<0.320		ug/L	0.320	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
2,4,6-Trichlorophenol	<0.220		ug/L	0.220	10.0	1.02	08/23/10 12:52	dmd	10H0721	SW 8270C
Surr: Nitrobenzene-d5 (35-110%)	*64 %*									
Surr: 2-Fluorobiphenyl (35-100%)	*58 %*									
Surr: Terphenyl-d14 (35-135%)	*67 %*									
Surr: Phenol-d6 (10-60%)	*18 %*									
Surr: 2-Fluorophenol (20-80%)	*26 %*									
Surr: 2,4,6-Tribromophenol (45-120%)	*56 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH0902-16 (B-6 - Ground Water) - cont.						**Sampled: 08/17/10 16:10**			**Recvd: 08/18/10 09:30**	
VOC Preservation Check										
pH	**>2**	P	units		2.00	1	08/23/10 16:11	eee	10H0900	SW
UST ANALYSIS PARAMETERS										
Total Extractable Hydrocarbons	<300		ug/L		300	1	08/20/10 14:37	jdb	[CALC]	OA-2 - 8015B
Diesel	<300		ug/L		300	1.05	08/20/10 14:37	jdb	10H0713	OA-2 - 8015B
Gasoline	<300		ug/L		300	1.05	08/20/10 14:37	jdb	10H0713	OA-2 - 8015B
Motor Oil	<300		ug/L		300	1.05	08/20/10 14:37	jdb	10H0713	OA-2 - 8015B
Surr: Octacosane (55-150%)	*86 %*									
Organochlorine Pesticides by EPA Method 8081A										
Aldrin	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
alpha-BHC	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
beta-BHC	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
delta-BHC	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
gamma-BHC (Lindane)	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
alpha-Chlordane	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
gamma-Chlordane	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Chlordane	<2.00		ug/L		2.00	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Dieldrin	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
4,4'-DDD	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
4,4'-DDE	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
4,4'-DDT	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Endosulfan I	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Endosulfan II	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Endosulfan sulfate	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Endrin	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Endrin aldehyde	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Endrin ketone	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Heptachlor	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Heptachlor epoxide	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Methoxychlor	<0.0320		ug/L		0.0320	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Toxaphene	<2.00		ug/L		2.00	1.02	08/19/10 23:06	ztb	10H0716	SW 8081A
Surr: Decachlorobiphenyl (45-130%)	*45 %*									
Surr: Tetrachloro-meta-xylene (30-100%)	*71 %*									

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH1383-01 (Trip Blank LB-107 - Water) **Sampled: 08/17/10 09:00** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0		ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
2-Chlorotoluene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
4-Chlorotoluene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0	L1	ug/L		20.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH1383-01 (Trip Blank LB-107 - Water) - cont.						**Sampled: 08/17/10 09:00**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2,3-Trichloropropane	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,2,4-Trimethylbenzene	<4.00		ug/L		4.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
1,3,5-Trimethylbenzene	<2.00		ug/L		2.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Xylenes, total	<3.00		ug/L		3.00	1	08/30/10 10:51	sjn	10H1235	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*100 %*									
Surr: Toluene-d8 (80-120%)	*93 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*102 %*									
VOC Preservation Check										
pH	<2.00		units		2.00	1	09/01/10 15:15	fmk	10I0048	SW

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH1383-02 (Trip Blank SLN-04 - Water) **Sampled: 08/17/10 09:00** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0		ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Bromodichloromethane	<1.00	CIN, C9	ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
2-Chlorotoluene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
4-Chlorotoluene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0	L1	ug/L		20.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH1383-02 (Trip Blank SLN-04 - Water) - cont.						**Sampled: 08/17/10 09:00**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2,3-Trichloropropane	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,2,4-Trimethylbenzene	<4.00		ug/L		4.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
1,3,5-Trimethylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Xylenes, total	<3.00		ug/L		3.00	1	08/30/10 11:17	sjn	10H1235	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*97 %*									
Surr: Toluene-d8 (80-120%)	*97 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*101 %*									
VOC Preservation Check										
pH	<2.00		units		2.00	1	09/01/10 15:15	fmk	10I0048	SW

TERRACON - CEDAR RAPIDS
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Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Sample ID: CTH1383-03 (Trip Blank E-9 - Water) **Sampled: 08/17/10 09:00** **Recvd: 08/18/10 09:30**

Sampled By: Sara Ziehr **Phone 319-366-8321**

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Volatile Organic Compounds										
Acetone	<10.0		ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Acrylonitrile	<10.0		ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Benzene	<0.500		ug/L		0.500	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Bromobenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Bromochloromethane	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Bromodichloromethane	<1.00	C9, CIN	ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Bromoform	<5.00	C9, CIN	ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Bromomethane	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
2-Butanone (MEK)	<10.0		ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
n-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
sec-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
tert-Butylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Carbon disulfide	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Carbon Tetrachloride	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Chlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Chlorodibromomethane	<10.0	CIN	ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Chloroethane	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Chloroform	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Chloromethane	<3.00		ug/L		3.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
2-Chlorotoluene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
4-Chlorotoluene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2-Dibromo-3-chloropropane	<20.0	L1	ug/L		20.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Dibromomethane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L		3.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1-Dichloroethane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2-Dichloroethane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1-Dichloroethene	<2.00		ug/L		2.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2-Dichloropropane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,3-Dichloropropane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
2,2-Dichloropropane	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1-Dichloropropene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
cis-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
trans-1,3-Dichloropropene	<10.0	CIN	ug/L		10.0	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Ethylbenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Hexachlorobutadiene	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Hexane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Isopropylbenzene	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
p-Isopropyltoluene	<2.00		ug/L		2.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Methylene Chloride	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Naphthalene	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CTH1383-03 (Trip Blank E-9 - Water) - cont.						**Sampled: 08/17/10 09:00**			**Recvd: 08/18/10 09:30**	
Volatile Organic Compounds - cont.										
n-Propylbenzene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Styrene	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00	CIN	ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Tetrachloroethene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Toluene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L		5.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1,1-Trichloroethane	<1.00	CIN	ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Trichloroethene	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Trichlorofluoromethane	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2,3-Trichloropropane	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,2,4-Trimethylbenzene	<4.00		ug/L		4.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
1,3,5-Trimethylbenzene	<2.00		ug/L		2.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Vinyl chloride	<1.00		ug/L		1.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Xylenes, total	<3.00		ug/L		3.00	1	08/30/10 11:43	sjn	10H1235	SW 8260B
Surr: Dibromofluoromethane (75-120%)	*98 %*									
Surr: Toluene-d8 (80-120%)	*96 %*									
Surr: 4-Bromofluorobenzene (75-110%)	*102 %*									
VOC Preservation Check										
pH	<2.00		units		2.00	1	09/01/10 15:15	fmk	10I0048	SW

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
Reported: 09/02/10 08:16

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Organochlorine Pesticides by EPA Method 8081A							
SW 8081A	10H0718	CTH0902-01	15.19	10.00	08/18/10 14:12	JAR	SW 3550B GC
SW 8081A	10H0718	CTH0902-04	30.94	10.00	08/18/10 14:12	JAR	SW 3550B GC
SW 8081A	10H0718	CTH0902-06	30.39	10.00	08/18/10 14:12	JAR	SW 3550B GC
SW 8081A	10H0718	CTH0902-06RE1	30.39	10.00	08/18/10 14:12	JAR	SW 3550B GC
SW 8081A	10H0718	CTH0902-08	30.21	10.00	08/18/10 14:12	JAR	SW 3550B GC
SW 8081A	10H0716	CTH0902-12	970.00	5.00	08/18/10 14:10	JAR	SW 3510C GC
SW 8081A	10H0716	CTH0902-13	970.00	5.00	08/18/10 14:10	JAR	SW 3510C GC
SW 8081A	10H0716	CTH0902-15	980.00	5.00	08/18/10 14:10	JAR	SW 3510C GC
SW 8081A	10H0716	CTH0902-16	980.00	5.00	08/18/10 14:10	JAR	SW 3510C GC
Semivolatile Organics by GC/MS							
SW 8270C	10H0780	CTH0902-02	30.98	1.00	08/19/10 14:11	JAR	SW 3550B GCMS
SW 8270C	10H0780	CTH0902-05	30.24	1.00	08/19/10 14:11	JAR	SW 3550B GCMS
SW 8270C	10H0780	CTH0902-07	30.07	1.00	08/19/10 14:11	JAR	SW 3550B GCMS
SW 8270C	10H0780	CTH0902-10	30.07	1.00	08/19/10 14:11	JAR	SW 3550B GCMS
SW 8270C	10H0721	CTH0902-11	970.00	1.00	08/18/10 14:17	JAR	SW 3510C_MS
SW 8270C	10H0721	CTH0902-13	980.00	1.00	08/18/10 14:17	JAR	SW 3510C_MS
SW 8270C	10H0721	CTH0902-15	980.00	1.00	08/18/10 14:17	JAR	SW 3510C_MS
SW 8270C	10H0721	CTH0902-16	980.00	1.00	08/18/10 14:17	JAR	SW 3510C_MS
UST ANALYSIS PARAMETERS							
OA-2 - 8015B	[CALC]	CTH0902-02	1.00	1.00	08/19/10 10:20		[CALC]
OA-2 - 8015B	10H0749	CTH0902-02	30.84	1.50	08/19/10 10:20	TCH	SW 3550B GC
OA-2 - 8015B	[CALC]	CTH0902-05	1.00	1.00	08/19/10 10:20		[CALC]
OA-2 - 8015B	10H0749	CTH0902-05	30.33	1.50	08/19/10 10:20	TCH	SW 3550B GC
OA-2 - 8015B	[CALC]	CTH0902-07	1.00	1.00	08/19/10 10:20		[CALC]
OA-2 - 8015B	10H0749	CTH0902-07	30.26	1.50	08/19/10 10:20	TCH	SW 3550B GC
OA-2 - 8015B	[CALC]	CTH0902-10	1.00	1.00	08/19/10 10:20		[CALC]
OA-2 - 8015B	10H0749	CTH0902-10	30.97	1.50	08/19/10 10:20	TCH	SW 3550B GC
OA-2 - 8015B	[CALC]	CTH0902-11	1.00	1.00	08/18/10 14:08		[CALC]
OA-2 - 8015B	10H0713	CTH0902-11	950.00	1.00	08/18/10 14:08	JAR	SW 3510C GC
OA-2 - 8015B	[CALC]	CTH0902-13	1.00	1.00	08/18/10 14:08		[CALC]
OA-2 - 8015B	10H0713	CTH0902-13	970.00	1.00	08/18/10 14:08	JAR	SW 3510C GC
OA-2 - 8015B	[CALC]	CTH0902-15	1.00	1.00	08/18/10 14:08		[CALC]
OA-2 - 8015B	10H0713	CTH0902-15	970.00	1.00	08/18/10 14:08	JAR	SW 3510C GC
OA-2 - 8015B	[CALC]	CTH0902-16	1.00	1.00	08/18/10 14:08		[CALC]
OA-2 - 8015B	10H0713	CTH0902-16	950.00	1.00	08/18/10 14:08	JAR	SW 3510C GC

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Work Order: CTH0902
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Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Acetone	10H0875			ug/L	N/A	10.0	<10.0							C9,CIN
Acetone	10H0875			ug/L	N/A	10.0	<10.0							C9,CIN
Acrylonitrile	10H0875			ug/L	N/A	10.0	<10.0							
Acrylonitrile	10H0875			ug/L	N/A	10.0	<10.0							
Benzene	10H0875			ug/L	N/A	0.500	<0.500							
Benzene	10H0875			ug/L	N/A	0.500	<0.500							
Bromobenzene	10H0875			ug/L	N/A	1.00	<1.00							
Bromobenzene	10H0875			ug/L	N/A	1.00	<1.00							
Bromochloromethane	10H0875			ug/L	N/A	5.00	<5.00							
Bromochloromethane	10H0875			ug/L	N/A	5.00	<5.00							
Bromodichloromethane	10H0875			ug/L	N/A	1.00	<1.00							C9,CIN
Bromodichloromethane	10H0875			ug/L	N/A	1.00	<1.00							C9,CIN
Bromoform	10H0875			ug/L	N/A	5.00	<5.00							C9,CIN
Bromoform	10H0875			ug/L	N/A	5.00	<5.00							C9,CIN
Bromomethane	10H0875			ug/L	N/A	4.00	<4.00							
Bromomethane	10H0875			ug/L	N/A	4.00	<4.00							
2-Butanone (MEK)	10H0875			ug/L	N/A	10.0	<10.0							
2-Butanone (MEK)	10H0875			ug/L	N/A	10.0	<10.0							
n-Butylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
n-Butylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
sec-Butylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
sec-Butylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
tert-Butylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
tert-Butylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
Carbon disulfide	10H0875			ug/L	N/A	1.00	<1.00							
Carbon disulfide	10H0875			ug/L	N/A	1.00	<1.00							
Carbon Tetrachloride	10H0875			ug/L	N/A	2.00	<2.00							
Carbon Tetrachloride	10H0875			ug/L	N/A	2.00	<2.00							
Chlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
Chlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
Chlorodibromomethane	10H0875			ug/L	N/A	5.00	<5.00							CIN
Chlorodibromomethane	10H0875			ug/L	N/A	5.00	<5.00							CIN
Chloroethane	10H0875			ug/L	N/A	4.00	<4.00							
Chloroethane	10H0875			ug/L	N/A	4.00	<4.00							
Chloroform	10H0875			ug/L	N/A	1.00	<1.00							
Chloroform	10H0875			ug/L	N/A	1.00	<1.00							
Chloromethane	10H0875			ug/L	N/A	3.00	<3.00							
Chloromethane	10H0875			ug/L	N/A	3.00	<3.00							
2-Chlorotoluene	10H0875			ug/L	N/A	1.00	<1.00							C9
2-Chlorotoluene	10H0875			ug/L	N/A	1.00	<1.00							C9
4-Chlorotoluene	10H0875			ug/L	N/A	1.00	<1.00							C9
4-Chlorotoluene	10H0875			ug/L	N/A	1.00	<1.00							C9
1,2-Dibromo-3-chloropropane	10H0875			ug/L	N/A	10.0	<10.0							
1,2-Dibromo-3-chloropropane	10H0875			ug/L	N/A	10.0	<10.0							
1,2-Dibromoethane (EDB)	10H0875			ug/L	N/A	10.0	<10.0							
1,2-Dibromoethane (EDB)	10H0875			ug/L	N/A	10.0	<10.0							
Dibromomethane	10H0875			ug/L	N/A	1.00	<1.00							

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Dibromomethane	10H0875			ug/L	N/A	1.00	<1.00							
1,2-Dichlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
1,2-Dichlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
1,3-Dichlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
1,3-Dichlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
1,4-Dichlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
1,4-Dichlorobenzene	10H0875			ug/L	N/A	1.00	<1.00							
Dichlorodifluoromethane	10H0875			ug/L	N/A	3.00	<3.00							
Dichlorodifluoromethane	10H0875			ug/L	N/A	3.00	<3.00							
1,1-Dichloroethane	10H0875			ug/L	N/A	1.00	<1.00							
1,1-Dichloroethane	10H0875			ug/L	N/A	1.00	<1.00							
1,2-Dichloroethane	10H0875			ug/L	N/A	1.00	<1.00							
1,2-Dichloroethane	10H0875			ug/L	N/A	1.00	<1.00							
1,1-Dichloroethene	10H0875			ug/L	N/A	2.00	<2.00							
1,1-Dichloroethene	10H0875			ug/L	N/A	2.00	<2.00							
cis-1,2-Dichloroethene	10H0875			ug/L	N/A	1.00	<1.00							
cis-1,2-Dichloroethene	10H0875			ug/L	N/A	1.00	<1.00							
trans-1,2-Dichloroethene	10H0875			ug/L	N/A	1.00	<1.00							
trans-1,2-Dichloroethene	10H0875			ug/L	N/A	1.00	<1.00							
1,2-Dichloropropane	10H0875			ug/L	N/A	1.00	<1.00							
1,2-Dichloropropane	10H0875			ug/L	N/A	1.00	<1.00							
1,3-Dichloropropane	10H0875			ug/L	N/A	1.00	<1.00							
1,3-Dichloropropane	10H0875			ug/L	N/A	1.00	<1.00							
2,2-Dichloropropane	10H0875			ug/L	N/A	4.00	<4.00							
2,2-Dichloropropane	10H0875			ug/L	N/A	4.00	<4.00							
1,1-Dichloropropene	10H0875			ug/L	N/A	1.00	<1.00							
1,1-Dichloropropene	10H0875			ug/L	N/A	1.00	<1.00							
cis-1,3-Dichloropropene	10H0875			ug/L	N/A	5.00	<5.00							CIN
cis-1,3-Dichloropropene	10H0875			ug/L	N/A	5.00	<5.00							CIN
trans-1,3-Dichloropropene	10H0875			ug/L	N/A	5.00	<5.00							CIN
trans-1,3-Dichloropropene	10H0875			ug/L	N/A	5.00	<5.00							CIN
Ethylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
Ethylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
Hexachlorobutadiene	10H0875			ug/L	N/A	5.00	<5.00							
Hexachlorobutadiene	10H0875			ug/L	N/A	5.00	<5.00							
Hexane	10H0875			ug/L	N/A	1.00	<1.00							
Hexane	10H0875			ug/L	N/A	1.00	<1.00							
Isopropylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
Isopropylbenzene	10H0875			ug/L	N/A	1.00	<1.00							
p-Isopropyltoluene	10H0875			ug/L	N/A	1.00	<1.00							
p-Isopropyltoluene	10H0875			ug/L	N/A	1.00	<1.00							
Methylene Chloride	10H0875			ug/L	N/A	5.00	<5.00							
Methylene Chloride	10H0875			ug/L	N/A	5.00	<5.00							
Methyl tert-Butyl Ether	10H0875			ug/L	N/A	1.00	<1.00							
Methyl tert-Butyl Ether	10H0875			ug/L	N/A	1.00	<1.00							
Naphthalene	10H0875			ug/L	N/A	5.00	<5.00							
Naphthalene	10H0875			ug/L	N/A	5.00	<5.00							

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Received: 08/18/10
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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
n-Propylbenzene	10H0875			ug/L	N/A	1.00	<1.00							C9
n-Propylbenzene	10H0875			ug/L	N/A	1.00	<1.00							C9
Styrene	10H0875			ug/L	N/A	1.00	<1.00							
Styrene	10H0875			ug/L	N/A	1.00	<1.00							
1,1,1,2-Tetrachloroethane	10H0875			ug/L	N/A	1.00	<1.00							CIN
1,1,1,2-Tetrachloroethane	10H0875			ug/L	N/A	1.00	<1.00							CIN
1,1,2,2-Tetrachloroethane	10H0875			ug/L	N/A	1.00	<1.00							C
1,1,2,2-Tetrachloroethane	10H0875			ug/L	N/A	1.00	<1.00							C
Tetrachloroethene	10H0875			ug/L	N/A	1.00	<1.00							
Tetrachloroethene	10H0875			ug/L	N/A	1.00	<1.00							
Toluene	10H0875			ug/L	N/A	1.00	<1.00							
Toluene	10H0875			ug/L	N/A	1.00	<1.00							
1,2,3-Trichlorobenzene	10H0875			ug/L	N/A	5.00	<5.00							
1,2,3-Trichlorobenzene	10H0875			ug/L	N/A	5.00	<5.00							
1,2,4-Trichlorobenzene	10H0875			ug/L	N/A	5.00	<5.00							
1,2,4-Trichlorobenzene	10H0875			ug/L	N/A	5.00	<5.00							
1,1,1-Trichloroethane	10H0875			ug/L	N/A	1.00	<1.00							CIN
1,1,1-Trichloroethane	10H0875			ug/L	N/A	1.00	<1.00							CIN
1,1,2-Trichloroethane	10H0875			ug/L	N/A	1.00	<1.00							
1,1,2-Trichloroethane	10H0875			ug/L	N/A	1.00	<1.00							
Trichloroethene	10H0875			ug/L	N/A	1.00	<1.00							
Trichloroethene	10H0875			ug/L	N/A	1.00	<1.00							
Trichlorofluoromethane	10H0875			ug/L	N/A	4.00	<4.00							
Trichlorofluoromethane	10H0875			ug/L	N/A	4.00	<4.00							
1,2,3-Trichloropropane	10H0875			ug/L	N/A	1.00	<1.00							C
1,2,3-Trichloropropane	10H0875			ug/L	N/A	1.00	<1.00							C
1,2,4-Trimethylbenzene	10H0875			ug/L	N/A	1.00	<1.00							C9
1,2,4-Trimethylbenzene	10H0875			ug/L	N/A	1.00	<1.00							C9
1,3,5-Trimethylbenzene	10H0875			ug/L	N/A	1.00	<1.00							C
1,3,5-Trimethylbenzene	10H0875			ug/L	N/A	1.00	<1.00							C
Vinyl chloride	10H0875			ug/L	N/A	1.00	<1.00							
Vinyl chloride	10H0875			ug/L	N/A	1.00	<1.00							
Xylenes, total	10H0875			ug/L	N/A	3.00	<3.00							C9
Xylenes, total	10H0875			ug/L	N/A	3.00	<3.00							C9
Surrogate: Dibromofluoromethane	*10H0875*			ug/L					*90*		*75-120*			
Surrogate: Dibromofluoromethane	*10H0875*			ug/L					*90*		*75-120*			
Surrogate: Toluene-d8	*10H0875*			ug/L					*97*		*80-120*			
Surrogate: Toluene-d8	*10H0875*			ug/L					*97*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0875*			ug/L					*99*		*75-110*			
Surrogate: 4-Bromofluorobenzene	*10H0875*			ug/L					*99*		*75-110*			
Acetone	10H0882			ug/kg wet	N/A	101	<101							
Acetone	10H0882			ug/kg wet	N/A	101	<101							
Acrylonitrile	10H0882			ug/kg wet	N/A	101	<101							
Acrylonitrile	10H0882			ug/kg wet	N/A	101	<101							
Benzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Benzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Bromobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							

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Received: 08/18/10
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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Bromobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Bromochloromethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Bromochloromethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Bromodichloromethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Bromodichloromethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Bromoform	10H0882			ug/kg wet	N/A	20.3	<20.3							
Bromoform	10H0882			ug/kg wet	N/A	20.3	<20.3							
Bromomethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
Bromomethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
2-Butanone (MEK)	10H0882			ug/kg wet	N/A	101	<101							
2-Butanone (MEK)	10H0882			ug/kg wet	N/A	101	<101							
n-Butylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
n-Butylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
sec-Butylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
sec-Butylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
tert-Butylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
tert-Butylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Carbon disulfide	10H0882			ug/kg wet	N/A	10.1	<10.1							
Carbon disulfide	10H0882			ug/kg wet	N/A	10.1	<10.1							
Carbon Tetrachloride	10H0882			ug/kg wet	N/A	10.1	<10.1							
Carbon Tetrachloride	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chlorodibromomethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chlorodibromomethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chloroethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
Chloroethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
Chloroform	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chloroform	10H0882			ug/kg wet	N/A	10.1	<10.1							
Chloromethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
Chloromethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
2-Chlorotoluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
2-Chlorotoluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
4-Chlorotoluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
4-Chlorotoluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dibromo-3-chloropropane	10H0882			ug/kg wet	N/A	101	<101							
1,2-Dibromo-3-chloropropane	10H0882			ug/kg wet	N/A	101	<101							
1,2-Dibromoethane (EDB)	10H0882			ug/kg wet	N/A	101	<101							
1,2-Dibromoethane (EDB)	10H0882			ug/kg wet	N/A	101	<101							
Dibromomethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Dibromomethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dichlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dichlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,3-Dichlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,3-Dichlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,4-Dichlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,4-Dichlorobenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Dichlorodifluoromethane	10H0882			ug/kg wet	N/A	30.4	<30.4							
Dichlorodifluoromethane	10H0882			ug/kg wet	N/A	30.4	<30.4							
1,1-Dichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1-Dichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1-Dichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1-Dichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
cis-1,2-Dichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
cis-1,2-Dichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
trans-1,2-Dichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
trans-1,2-Dichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dichloropropane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2-Dichloropropane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,3-Dichloropropane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,3-Dichloropropane	10H0882			ug/kg wet	N/A	10.1	<10.1							
2,2-Dichloropropane	10H0882			ug/kg wet	N/A	40.6	<40.6							CIN
2,2-Dichloropropane	10H0882			ug/kg wet	N/A	40.6	<40.6							CIN
1,1-Dichloropropene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1-Dichloropropene	10H0882			ug/kg wet	N/A	10.1	<10.1							
cis-1,3-Dichloropropene	10H0882			ug/kg wet	N/A	10.1	<10.1							
cis-1,3-Dichloropropene	10H0882			ug/kg wet	N/A	10.1	<10.1							
trans-1,3-Dichloropropene	10H0882			ug/kg wet	N/A	10.1	<10.1							
trans-1,3-Dichloropropene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Ethylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Ethylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Hexachlorobutadiene	10H0882			ug/kg wet	N/A	50.7	<50.7							
Hexachlorobutadiene	10H0882			ug/kg wet	N/A	50.7	<50.7							
Hexane	10H0882			ug/kg wet	N/A	50.7	<50.7							
Hexane	10H0882			ug/kg wet	N/A	50.7	<50.7							
Isopropylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Isopropylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
p-Isopropyltoluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
p-Isopropyltoluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Methylene Chloride	10H0882			ug/kg wet	N/A	101	<101							
Methylene Chloride	10H0882			ug/kg wet	N/A	101	<101							
Methyl tert-Butyl Ether	10H0882			ug/kg wet	N/A	10.1	<10.1							
Methyl tert-Butyl Ether	10H0882			ug/kg wet	N/A	10.1	<10.1							
Naphthalene	10H0882			ug/kg wet	N/A	50.7	<50.7							
Naphthalene	10H0882			ug/kg wet	N/A	50.7	<50.7							
n-Propylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
n-Propylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Styrene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Styrene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1,1,2-Tetrachloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1,1,2-Tetrachloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1,2,2-Tetrachloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,1,2,2-Tetrachloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Tetrachloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Tetrachloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Toluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Toluene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2,3-Trichlorobenzene	10H0882			ug/kg wet	N/A	50.7	<50.7							
1,2,3-Trichlorobenzene	10H0882			ug/kg wet	N/A	50.7	<50.7							
1,2,4-Trichlorobenzene	10H0882			ug/kg wet	N/A	50.7	<50.7							
1,2,4-Trichlorobenzene	10H0882			ug/kg wet	N/A	50.7	<50.7							
1,1,1-Trichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1,1-Trichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1,2-Trichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,1,2-Trichloroethane	10H0882			ug/kg wet	N/A	10.1	<10.1							
Trichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Trichloroethene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Trichlorofluoromethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
Trichlorofluoromethane	10H0882			ug/kg wet	N/A	40.6	<40.6							
1,2,3-Trichloropropane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2,3-Trichloropropane	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2,4-Trimethylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,2,4-Trimethylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,3,5-Trimethylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
1,3,5-Trimethylbenzene	10H0882			ug/kg wet	N/A	10.1	<10.1							
Vinyl chloride	10H0882			ug/kg wet	N/A	30.4	<30.4							
Vinyl chloride	10H0882			ug/kg wet	N/A	30.4	<30.4							
Xylenes, total	10H0882			ug/kg wet	N/A	30.4	<30.4							
Xylenes, total	10H0882			ug/kg wet	N/A	30.4	<30.4							
Surrogate: Dibromofluoromethane	*10H0882*			ug/L					*102*		*75-125*			
Surrogate: Dibromofluoromethane	*10H0882*			ug/L					*102*		*75-125*			
Surrogate: Toluene-d8	*10H0882*			ug/L					*98*		*80-120*			
Surrogate: Toluene-d8	*10H0882*			ug/L					*98*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0882*			ug/L					*97*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0882*			ug/L					*97*		*80-120*			
Acetone	10H0931			ug/kg wet	N/A	99.0	<99.0							
Acetone	10H0931			ug/kg wet	N/A	99.0	<99.0							
Acrylonitrile	10H0931			ug/kg wet	N/A	99.0	<99.0							
Acrylonitrile	10H0931			ug/kg wet	N/A	99.0	<99.0							
Benzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Benzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromochloromethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromochloromethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromodichloromethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromodichloromethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Bromoform	10H0931			ug/kg wet	N/A	19.8	<19.8							
Bromoform	10H0931			ug/kg wet	N/A	19.8	<19.8							

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Bromomethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
Bromomethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
2-Butanone (MEK)	10H0931			ug/kg wet	N/A	99.0	<99.0							L
2-Butanone (MEK)	10H0931			ug/kg wet	N/A	99.0	<99.0							L
n-Butylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
n-Butylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
sec-Butylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
sec-Butylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
tert-Butylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
tert-Butylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Carbon disulfide	10H0931			ug/kg wet	N/A	9.90	<9.90							
Carbon disulfide	10H0931			ug/kg wet	N/A	9.90	<9.90							
Carbon Tetrachloride	10H0931			ug/kg wet	N/A	9.90	<9.90							
Carbon Tetrachloride	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chlorodibromomethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chlorodibromomethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chloroethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
Chloroethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
Chloroform	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chloroform	10H0931			ug/kg wet	N/A	9.90	<9.90							
Chloromethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
Chloromethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
2-Chlorotoluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
2-Chlorotoluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
4-Chlorotoluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
4-Chlorotoluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dibromo-3-chloropropane	10H0931			ug/kg wet	N/A	99.0	<99.0							
1,2-Dibromo-3-chloropropane	10H0931			ug/kg wet	N/A	99.0	<99.0							
1,2-Dibromoethane (EDB)	10H0931			ug/kg wet	N/A	99.0	<99.0							
1,2-Dibromoethane (EDB)	10H0931			ug/kg wet	N/A	99.0	<99.0							
Dibromomethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Dibromomethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dichlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dichlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,3-Dichlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,3-Dichlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,4-Dichlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,4-Dichlorobenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Dichlorodifluoromethane	10H0931			ug/kg wet	N/A	29.7	<29.7							
Dichlorodifluoromethane	10H0931			ug/kg wet	N/A	29.7	<29.7							
1,1-Dichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1-Dichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1-Dichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,1-Dichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
cis-1,2-Dichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
cis-1,2-Dichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
trans-1,2-Dichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
trans-1,2-Dichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dichloropropane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2-Dichloropropane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,3-Dichloropropane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,3-Dichloropropane	10H0931			ug/kg wet	N/A	9.90	<9.90							
2,2-Dichloropropane	10H0931			ug/kg wet	N/A	39.6	<39.6							CIN
2,2-Dichloropropane	10H0931			ug/kg wet	N/A	39.6	<39.6							CIN
1,1-Dichloropropene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1-Dichloropropene	10H0931			ug/kg wet	N/A	9.90	<9.90							
cis-1,3-Dichloropropene	10H0931			ug/kg wet	N/A	9.90	<9.90							
cis-1,3-Dichloropropene	10H0931			ug/kg wet	N/A	9.90	<9.90							
trans-1,3-Dichloropropene	10H0931			ug/kg wet	N/A	9.90	<9.90							
trans-1,3-Dichloropropene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Ethylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Ethylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Hexachlorobutadiene	10H0931			ug/kg wet	N/A	49.5	<49.5							
Hexachlorobutadiene	10H0931			ug/kg wet	N/A	49.5	<49.5							
Hexane	10H0931			ug/kg wet	N/A	49.5	<49.5							
Hexane	10H0931			ug/kg wet	N/A	49.5	<49.5							
Isopropylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Isopropylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
p-Isopropyltoluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
p-Isopropyltoluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Methylene Chloride	10H0931			ug/kg wet	N/A	99.0	<99.0							
Methylene Chloride	10H0931			ug/kg wet	N/A	99.0	<99.0							
Methyl tert-Butyl Ether	10H0931			ug/kg wet	N/A	9.90	<9.90							
Methyl tert-Butyl Ether	10H0931			ug/kg wet	N/A	9.90	<9.90							
Naphthalene	10H0931			ug/kg wet	N/A	49.5	<49.5							
Naphthalene	10H0931			ug/kg wet	N/A	49.5	<49.5							
n-Propylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
n-Propylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Styrene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Styrene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,1,2-Tetrachloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,1,2-Tetrachloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,2,2-Tetrachloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,2,2-Tetrachloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Tetrachloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Tetrachloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Toluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Toluene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2,3-Trichlorobenzene	10H0931			ug/kg wet	N/A	49.5	<49.5							
1,2,3-Trichlorobenzene	10H0931			ug/kg wet	N/A	49.5	<49.5							

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,2,4-Trichlorobenzene	10H0931			ug/kg wet	N/A	49.5	<49.5							
1,2,4-Trichlorobenzene	10H0931			ug/kg wet	N/A	49.5	<49.5							
1,1,1-Trichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,1-Trichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,2-Trichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,1,2-Trichloroethane	10H0931			ug/kg wet	N/A	9.90	<9.90							
Trichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Trichloroethene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Trichlorofluoromethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
Trichlorofluoromethane	10H0931			ug/kg wet	N/A	39.6	<39.6							
1,2,3-Trichloropropane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2,3-Trichloropropane	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2,4-Trimethylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,2,4-Trimethylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,3,5-Trimethylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
1,3,5-Trimethylbenzene	10H0931			ug/kg wet	N/A	9.90	<9.90							
Vinyl chloride	10H0931			ug/kg wet	N/A	29.7	<29.7							
Vinyl chloride	10H0931			ug/kg wet	N/A	29.7	<29.7							
Xylenes, total	10H0931			ug/kg wet	N/A	29.7	<29.7							
Xylenes, total	10H0931			ug/kg wet	N/A	29.7	<29.7							
Surrogate: Dibromofluoromethane	*10H0931*			ug/L					*97*		*75-125*			
Surrogate: Dibromofluoromethane	*10H0931*			ug/L					*97*		*75-125*			
Surrogate: Toluene-d8	*10H0931*			ug/L					*96*		*80-120*			
Surrogate: Toluene-d8	*10H0931*			ug/L					*96*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0931*			ug/L					*102*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0931*			ug/L					*102*		*80-120*			
Acetone	10H1235			ug/L	N/A	10.0	<10.0							
Acetone	10H1235			ug/L	N/A	10.0	<10.0							
Acrylonitrile	10H1235			ug/L	N/A	10.0	<10.0							
Acrylonitrile	10H1235			ug/L	N/A	10.0	<10.0							
Benzene	10H1235			ug/L	N/A	0.500	<0.500							
Benzene	10H1235			ug/L	N/A	0.500	<0.500							
Bromobenzene	10H1235			ug/L	N/A	1.00	<1.00							
Bromobenzene	10H1235			ug/L	N/A	1.00	<1.00							
Bromochloromethane	10H1235			ug/L	N/A	5.00	<5.00							
Bromochloromethane	10H1235			ug/L	N/A	5.00	<5.00							
Bromodichloromethane	10H1235			ug/L	N/A	1.00	<1.00							C9,CIN
Bromodichloromethane	10H1235			ug/L	N/A	1.00	<1.00							C9,CIN
Bromoform	10H1235			ug/L	N/A	5.00	<5.00							C9,CIN
Bromoform	10H1235			ug/L	N/A	5.00	<5.00							C9,CIN
Bromomethane	10H1235			ug/L	N/A	4.00	<4.00							
Bromomethane	10H1235			ug/L	N/A	4.00	<4.00							
2-Butanone (MEK)	10H1235			ug/L	N/A	10.0	<10.0							
2-Butanone (MEK)	10H1235			ug/L	N/A	10.0	<10.0							
n-Butylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
n-Butylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
sec-Butylbenzene	10H1235			ug/L	N/A	1.00	<1.00							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
sec-Butylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
tert-Butylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
tert-Butylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
Carbon disulfide	10H1235			ug/L	N/A	1.00	<1.00							
Carbon disulfide	10H1235			ug/L	N/A	1.00	<1.00							
Carbon Tetrachloride	10H1235			ug/L	N/A	2.00	<2.00							
Carbon Tetrachloride	10H1235			ug/L	N/A	2.00	<2.00							
Chlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
Chlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
Chlorodibromomethane	10H1235			ug/L	N/A	5.00	<5.00							CIN
Chlorodibromomethane	10H1235			ug/L	N/A	5.00	<5.00							CIN
Chloroethane	10H1235			ug/L	N/A	4.00	<4.00							
Chloroethane	10H1235			ug/L	N/A	4.00	<4.00							
Chloroform	10H1235			ug/L	N/A	1.00	<1.00							
Chloroform	10H1235			ug/L	N/A	1.00	<1.00							
Chloromethane	10H1235			ug/L	N/A	3.00	<3.00							
Chloromethane	10H1235			ug/L	N/A	3.00	<3.00							
2-Chlorotoluene	10H1235			ug/L	N/A	1.00	<1.00							
2-Chlorotoluene	10H1235			ug/L	N/A	1.00	<1.00							
4-Chlorotoluene	10H1235			ug/L	N/A	1.00	<1.00							
4-Chlorotoluene	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dibromo-3-chloropropane	10H1235			ug/L	N/A	10.0	<10.0							L1
1,2-Dibromo-3-chloropropane	10H1235			ug/L	N/A	10.0	<10.0							L1
1,2-Dibromoethane (EDB)	10H1235			ug/L	N/A	10.0	<10.0							
1,2-Dibromoethane (EDB)	10H1235			ug/L	N/A	10.0	<10.0							
Dibromomethane	10H1235			ug/L	N/A	1.00	<1.00							
Dibromomethane	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dichlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dichlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,3-Dichlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,3-Dichlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,4-Dichlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,4-Dichlorobenzene	10H1235			ug/L	N/A	1.00	<1.00							
Dichlorodifluoromethane	10H1235			ug/L	N/A	3.00	<3.00							
Dichlorodifluoromethane	10H1235			ug/L	N/A	3.00	<3.00							
1,1-Dichloroethane	10H1235			ug/L	N/A	1.00	<1.00							
1,1-Dichloroethane	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dichloroethane	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dichloroethane	10H1235			ug/L	N/A	1.00	<1.00							
1,1-Dichloroethene	10H1235			ug/L	N/A	2.00	<2.00							
1,1-Dichloroethene	10H1235			ug/L	N/A	2.00	<2.00							
cis-1,2-Dichloroethene	10H1235			ug/L	N/A	1.00	<1.00							
cis-1,2-Dichloroethene	10H1235			ug/L	N/A	1.00	<1.00							
trans-1,2-Dichloroethene	10H1235			ug/L	N/A	1.00	<1.00							
trans-1,2-Dichloroethene	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dichloropropane	10H1235			ug/L	N/A	1.00	<1.00							
1,2-Dichloropropane	10H1235			ug/L	N/A	1.00	<1.00							

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,3-Dichloropropane	10H1235			ug/L	N/A	1.00	<1.00							
1,3-Dichloropropane	10H1235			ug/L	N/A	1.00	<1.00							
2,2-Dichloropropane	10H1235			ug/L	N/A	4.00	<4.00							
2,2-Dichloropropane	10H1235			ug/L	N/A	4.00	<4.00							
1,1-Dichloropropene	10H1235			ug/L	N/A	1.00	<1.00							
1,1-Dichloropropene	10H1235			ug/L	N/A	1.00	<1.00							
cis-1,3-Dichloropropene	10H1235			ug/L	N/A	5.00	<5.00							CIN
cis-1,3-Dichloropropene	10H1235			ug/L	N/A	5.00	<5.00							CIN
trans-1,3-Dichloropropene	10H1235			ug/L	N/A	5.00	<5.00							CIN
trans-1,3-Dichloropropene	10H1235			ug/L	N/A	5.00	<5.00							CIN
Ethylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
Ethylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
Hexachlorobutadiene	10H1235			ug/L	N/A	5.00	<5.00							
Hexachlorobutadiene	10H1235			ug/L	N/A	5.00	<5.00							
Hexane	10H1235			ug/L	N/A	1.00	<1.00							
Hexane	10H1235			ug/L	N/A	1.00	<1.00							
Isopropylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
Isopropylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
p-Isopropyltoluene	10H1235			ug/L	N/A	1.00	<1.00							
p-Isopropyltoluene	10H1235			ug/L	N/A	1.00	<1.00							
4-Methyl-2-pentanone (MIBK)	10H1235			ug/L	N/A	10.0	<10.0							
4-Methyl-2-pentanone (MIBK)	10H1235			ug/L	N/A	10.0	<10.0							
Methylene Chloride	10H1235			ug/L	N/A	5.00	<5.00							
Methylene Chloride	10H1235			ug/L	N/A	5.00	<5.00							
Methyl tert-Butyl Ether	10H1235			ug/L	N/A	1.00	<1.00							
Methyl tert-Butyl Ether	10H1235			ug/L	N/A	1.00	<1.00							
Naphthalene	10H1235			ug/L	N/A	5.00	<5.00							
Naphthalene	10H1235			ug/L	N/A	5.00	<5.00							
n-Propylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
n-Propylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
Styrene	10H1235			ug/L	N/A	1.00	<1.00							
Styrene	10H1235			ug/L	N/A	1.00	<1.00							
1,1,1,2-Tetrachloroethane	10H1235			ug/L	N/A	1.00	<1.00							CIN
1,1,1,2-Tetrachloroethane	10H1235			ug/L	N/A	1.00	<1.00							CIN
1,1,2,2-Tetrachloroethane	10H1235			ug/L	N/A	1.00	<1.00							
1,1,2,2-Tetrachloroethane	10H1235			ug/L	N/A	1.00	<1.00							
Tetrachloroethene	10H1235			ug/L	N/A	1.00	<1.00							
Tetrachloroethene	10H1235			ug/L	N/A	1.00	<1.00							
Toluene	10H1235			ug/L	N/A	1.00	<1.00							
Toluene	10H1235			ug/L	N/A	1.00	<1.00							
1,2,3-Trichlorobenzene	10H1235			ug/L	N/A	5.00	<5.00							
1,2,3-Trichlorobenzene	10H1235			ug/L	N/A	5.00	<5.00							
1,2,4-Trichlorobenzene	10H1235			ug/L	N/A	5.00	<5.00							
1,2,4-Trichlorobenzene	10H1235			ug/L	N/A	5.00	<5.00							
1,1,1-Trichloroethane	10H1235			ug/L	N/A	1.00	<1.00							CIN
1,1,1-Trichloroethane	10H1235			ug/L	N/A	1.00	<1.00							CIN
1,1,2-Trichloroethane	10H1235			ug/L	N/A	1.00	<1.00							

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,1,2-Trichloroethane	10H1235			ug/L	N/A	1.00	<1.00							
Trichloroethene	10H1235			ug/L	N/A	1.00	<1.00							
Trichloroethene	10H1235			ug/L	N/A	1.00	<1.00							
Trichlorofluoromethane	10H1235			ug/L	N/A	4.00	<4.00							
Trichlorofluoromethane	10H1235			ug/L	N/A	4.00	<4.00							
1,2,3-Trichloropropane	10H1235			ug/L	N/A	1.00	<1.00							
1,2,3-Trichloropropane	10H1235			ug/L	N/A	1.00	<1.00							
1,2,4-Trimethylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,2,4-Trimethylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,3,5-Trimethylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
1,3,5-Trimethylbenzene	10H1235			ug/L	N/A	1.00	<1.00							
Vinyl chloride	10H1235			ug/L	N/A	1.00	<1.00							
Vinyl chloride	10H1235			ug/L	N/A	1.00	<1.00							
Xylenes, total	10H1235			ug/L	N/A	3.00	<3.00							
Xylenes, total	10H1235			ug/L	N/A	3.00	<3.00							
Surrogate: Dibromofluoromethane	*10H1235*			ug/L					*100*		*75-120*			
Surrogate: Dibromofluoromethane	*10H1235*			ug/L					*100*		*75-120*			
Surrogate: Toluene-d8	*10H1235*			ug/L					*98*		*80-120*			
Surrogate: Toluene-d8	*10H1235*			ug/L					*98*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H1235*			ug/L					*102*		*75-110*			
Surrogate: 4-Bromofluorobenzene	*10H1235*			ug/L					*102*		*75-110*			
Semivolatile Organics by GC/MS														
Acenaphthene	10H0721			ug/L	0.300	10.0	<0.300							
Acenaphthene	10H0721			ug/L	0.300	10.0	<0.300							
Acenaphthylene	10H0721			ug/L	0.210	10.0	<0.210							
Acenaphthylene	10H0721			ug/L	0.210	10.0	<0.210							
Anthracene	10H0721			ug/L	0.170	10.0	<0.170							
Anthracene	10H0721			ug/L	0.170	10.0	<0.170							
Benzidine	10H0721			ug/L	0.470	100	<0.470							
Benzidine	10H0721			ug/L	0.470	100	<0.470							
Benzo (a) anthracene	10H0721			ug/L	0.240	10.0	<0.240							
Benzo (a) anthracene	10H0721			ug/L	0.240	10.0	<0.240							
Benzo (b) fluoranthene	10H0721			ug/L	0.310	10.0	<0.310							
Benzo (b) fluoranthene	10H0721			ug/L	0.310	10.0	<0.310							
Benzo (k) fluoranthene	10H0721			ug/L	0.200	10.0	<0.200							
Benzo (k) fluoranthene	10H0721			ug/L	0.200	10.0	<0.200							
Benzo (a) pyrene	10H0721			ug/L	0.250	10.0	<0.250							
Benzo (a) pyrene	10H0721			ug/L	0.250	10.0	<0.250							
Benzo (g,h,i) perylene	10H0721			ug/L	0.230	10.0	<0.230							
Benzo (g,h,i) perylene	10H0721			ug/L	0.230	10.0	<0.230							
Benzyl alcohol	10H0721			ug/L	0.180	10.0	<0.180							
Benzyl alcohol	10H0721			ug/L	0.180	10.0	<0.180							
Butyl benzyl phthalate	10H0721			ug/L	0.340	10.0	<0.340							
Butyl benzyl phthalate	10H0721			ug/L	0.340	10.0	<0.340							
Bis(2-chloroethyl)ether	10H0721			ug/L	0.180	10.0	<0.180							
Bis(2-chloroethyl)ether	10H0721			ug/L	0.180	10.0	<0.180							
Bis(2-chloroethoxy)methane	10H0721			ug/L	0.260	10.0	<0.260							

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Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Bis(2-chloroethoxy)methane	10H0721			ug/L	0.260	10.0	<0.260							
Bis(2-ethylhexyl)phthalate	10H0721			ug/L	0.390	10.0	<0.390							
Bis(2-ethylhexyl)phthalate	10H0721			ug/L	0.390	10.0	<0.390							
Bis(2-chloroisopropyl) ether	10H0721			ug/L	0.180	10.0	<0.180							
Bis(2-chloroisopropyl) ether	10H0721			ug/L	0.180	10.0	<0.180							
4-Bromophenyl phenyl ether	10H0721			ug/L	0.290	10.0	<0.290							
4-Bromophenyl phenyl ether	10H0721			ug/L	0.290	10.0	<0.290							
Carbazole	10H0721			ug/L	0.260	10.0	<0.260							
Carbazole	10H0721			ug/L	0.260	10.0	<0.260							
4-Chloroaniline	10H0721			ug/L	0.140	10.0	<0.140							
4-Chloroaniline	10H0721			ug/L	0.140	10.0	<0.140							
2-Chloronaphthalene	10H0721			ug/L	0.230	10.0	<0.230							
2-Chloronaphthalene	10H0721			ug/L	0.230	10.0	<0.230							
4-Chlorophenyl phenyl ether	10H0721			ug/L	0.250	10.0	<0.250							
4-Chlorophenyl phenyl ether	10H0721			ug/L	0.250	10.0	<0.250							
Chrysene	10H0721			ug/L	0.290	10.0	<0.290							
Chrysene	10H0721			ug/L	0.290	10.0	<0.290							
Dibenzo (a,h) anthracene	10H0721			ug/L	0.250	10.0	<0.250							
Dibenzo (a,h) anthracene	10H0721			ug/L	0.250	10.0	<0.250							
Dibenzofuran	10H0721			ug/L	0.240	10.0	<0.240							
Dibenzofuran	10H0721			ug/L	0.240	10.0	<0.240							
Di-n-butyl phthalate	10H0721			ug/L	0.510	10.0	<0.510							
Di-n-butyl phthalate	10H0721			ug/L	0.510	10.0	<0.510							
1,2-Dichlorobenzene	10H0721			ug/L	0.230	10.0	0.909							J
1,2-Dichlorobenzene	10H0721			ug/L	0.230	10.0	0.909							J
1,3-Dichlorobenzene	10H0721			ug/L	0.140	10.0	<0.140							
1,3-Dichlorobenzene	10H0721			ug/L	0.140	10.0	<0.140							
1,4-Dichlorobenzene	10H0721			ug/L	0.150	10.0	<0.150							
1,4-Dichlorobenzene	10H0721			ug/L	0.150	10.0	<0.150							
3,3'-Dichlorobenzidine	10H0721			ug/L	0.460	50.0	<0.460							
3,3'-Dichlorobenzidine	10H0721			ug/L	0.460	50.0	<0.460							
Diethyl phthalate	10H0721			ug/L	0.260	10.0	<0.260							
Diethyl phthalate	10H0721			ug/L	0.260	10.0	<0.260							
Dimethyl phthalate	10H0721			ug/L	0.230	10.0	<0.230							
Dimethyl phthalate	10H0721			ug/L	0.230	10.0	<0.230							
2,4-Dinitrotoluene	10H0721			ug/L	0.190	10.0	<0.190							
2,4-Dinitrotoluene	10H0721			ug/L	0.190	10.0	<0.190							
2,6-Dinitrotoluene	10H0721			ug/L	0.240	10.0	<0.240							
2,6-Dinitrotoluene	10H0721			ug/L	0.240	10.0	<0.240							
Di-n-octyl phthalate	10H0721			ug/L	0.230	20.0	<0.230							
Di-n-octyl phthalate	10H0721			ug/L	0.230	20.0	<0.230							
Fluoranthene	10H0721			ug/L	0.330	10.0	<0.330							
Fluoranthene	10H0721			ug/L	0.330	10.0	<0.330							
Fluorene	10H0721			ug/L	0.290	10.0	<0.290							
Fluorene	10H0721			ug/L	0.290	10.0	<0.290							
Hexachlorobenzene	10H0721			ug/L	0.270	10.0	<0.270							
Hexachlorobenzene	10H0721			ug/L	0.270	10.0	<0.270							

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Semivolatile Organics by GC/MS														
Hexachlorobutadiene	10H0721			ug/L	0.130	10.0	<0.130							
Hexachlorobutadiene	10H0721			ug/L	0.130	10.0	<0.130							
Hexachlorocyclopentadiene	10H0721			ug/L	1.89	20.0	<1.89							
Hexachlorocyclopentadiene	10H0721			ug/L	1.89	20.0	<1.89							
Hexachloroethane	10H0721			ug/L	0.130	10.0	<0.130							
Hexachloroethane	10H0721			ug/L	0.130	10.0	<0.130							
Indeno (1,2,3-cd) pyrene	10H0721			ug/L	0.240	10.0	<0.240							
Indeno (1,2,3-cd) pyrene	10H0721			ug/L	0.240	10.0	<0.240							
Isophorone	10H0721			ug/L	0.220	10.0	<0.220							
Isophorone	10H0721			ug/L	0.220	10.0	<0.220							
2-Methylnaphthalene	10H0721			ug/L	0.190	10.0	<0.190							
2-Methylnaphthalene	10H0721			ug/L	0.190	10.0	<0.190							
Naphthalene	10H0721			ug/L	0.230	10.0	<0.230							
Naphthalene	10H0721			ug/L	0.230	10.0	<0.230							
2-Nitroaniline	10H0721			ug/L	0.230	10.0	<0.230							
2-Nitroaniline	10H0721			ug/L	0.230	10.0	<0.230							
3-Nitroaniline	10H0721			ug/L	0.220	10.0	<0.220							
3-Nitroaniline	10H0721			ug/L	0.220	10.0	<0.220							
4-Nitroaniline	10H0721			ug/L	0.320	10.0	<0.320							
4-Nitroaniline	10H0721			ug/L	0.320	10.0	<0.320							
Nitrobenzene	10H0721			ug/L	0.220	10.0	<0.220							
Nitrobenzene	10H0721			ug/L	0.220	10.0	<0.220							
N-Nitrosodimethylamine	10H0721			ug/L	0.140	10.0	<0.140							
N-Nitrosodimethylamine	10H0721			ug/L	0.140	10.0	<0.140							
N-Nitrosodiphenylamine	10H0721			ug/L	0.660	10.0	<0.660							
N-Nitrosodiphenylamine	10H0721			ug/L	0.660	10.0	<0.660							
N-Nitrosodi-n-propylamine	10H0721			ug/L	0.260	10.0	<0.260							
N-Nitrosodi-n-propylamine	10H0721			ug/L	0.260	10.0	<0.260							
Phenanthrene	10H0721			ug/L	0.600	10.0	<0.600							
Phenanthrene	10H0721			ug/L	0.600	10.0	<0.600							
Pyrene	10H0721			ug/L	0.230	10.0	<0.230							
Pyrene	10H0721			ug/L	0.230	10.0	<0.230							
Pyridine	10H0721			ug/L	0.210	10.0	<0.210							
Pyridine	10H0721			ug/L	0.210	10.0	<0.210							
1,2,4-Trichlorobenzene	10H0721			ug/L	0.120	10.0	<0.120							
1,2,4-Trichlorobenzene	10H0721			ug/L	0.120	10.0	<0.120							
Benzoic acid	10H0721			ug/L	1.01	100	<1.01							
Benzoic acid	10H0721			ug/L	1.01	100	<1.01							
4-Chloro-3-methylphenol	10H0721			ug/L	0.190	10.0	<0.190							
4-Chloro-3-methylphenol	10H0721			ug/L	0.190	10.0	<0.190							
2-Chlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
2-Chlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
Cresol(s)	10H0721			ug/L	0.180	10.0	<0.180							
Cresol(s)	10H0721			ug/L	0.180	10.0	<0.180							
2,4-Dichlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
2,4-Dichlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
2,4-Dimethylphenol	10H0721			ug/L	0.210	10.0	<0.210							

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
2,4-Dimethylphenol	10H0721			ug/L	0.210	10.0	<0.210							
2,4-Dinitrophenol	10H0721			ug/L	1.34	20.0	<1.34							
2,4-Dinitrophenol	10H0721			ug/L	1.34	20.0	<1.34							
4,6-Dinitro-2-methylphenol	10H0721			ug/L	2.22	10.0	<2.22							
4,6-Dinitro-2-methylphenol	10H0721			ug/L	2.22	10.0	<2.22							
2-Methylphenol (o-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
2-Methylphenol (o-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
4-Methylphenol (p-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
4-Methylphenol (p-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
2-Nitrophenol	10H0721			ug/L	0.160	10.0	<0.160							
2-Nitrophenol	10H0721			ug/L	0.160	10.0	<0.160							
4-Nitrophenol	10H0721			ug/L	0.120	10.0	<0.120							
4-Nitrophenol	10H0721			ug/L	0.120	10.0	<0.120							
Pentachlorophenol	10H0721			ug/L	0.244	10.0	<0.244							
Pentachlorophenol	10H0721			ug/L	0.244	10.0	<0.244							
Phenol	10H0721			ug/L	2.40	10.0	<2.40							
Phenol	10H0721			ug/L	2.40	10.0	<2.40							
2,4,5-Trichlorophenol	10H0721			ug/L	0.320	10.0	<0.320							
2,4,5-Trichlorophenol	10H0721			ug/L	0.320	10.0	<0.320							
2,4,6-Trichlorophenol	10H0721			ug/L	0.220	10.0	<0.220							
2,4,6-Trichlorophenol	10H0721			ug/L	0.220	10.0	<0.220							
Surrogate: Nitrobenzene-d5	*10H0721*			ug/L					*73*		*35-110*			
Surrogate: Nitrobenzene-d5	*10H0721*			ug/L					*73*		*35-110*			
Surrogate: 2-Fluorobiphenyl	*10H0721*			ug/L					*69*		*35-100*			
Surrogate: 2-Fluorobiphenyl	*10H0721*			ug/L					*69*		*35-100*			
Surrogate: Terphenyl-d14	*10H0721*			ug/L					*88*		*35-135*			
Surrogate: Terphenyl-d14	*10H0721*			ug/L					*88*		*35-135*			
Surrogate: Phenol-d6	*10H0721*			ug/L					*30*		*10-60*			
Surrogate: Phenol-d6	*10H0721*			ug/L					*30*		*10-60*			
Surrogate: 2-Fluorophenol	*10H0721*			ug/L					*48*		*20-80*			
Surrogate: 2-Fluorophenol	*10H0721*			ug/L					*48*		*20-80*			
Surrogate: 2,4,6-Tribromophenol	*10H0721*			ug/L					*82*		*45-120*			
Surrogate: 2,4,6-Tribromophenol	*10H0721*			ug/L					*82*		*45-120*			
Acenaphthene	10H0721			ug/L	0.300	10.0	<0.300							
Acenaphthene	10H0721			ug/L	0.300	10.0	<0.300							
Acenaphthylene	10H0721			ug/L	0.210	10.0	<0.210							
Acenaphthylene	10H0721			ug/L	0.210	10.0	<0.210							
Anthracene	10H0721			ug/L	0.170	10.0	<0.170							
Anthracene	10H0721			ug/L	0.170	10.0	<0.170							
Benzidine	10H0721			ug/L	0.470	100	<0.470							
Benzidine	10H0721			ug/L	0.470	100	<0.470							
Benzo (a) anthracene	10H0721			ug/L	0.240	10.0	<0.240							
Benzo (a) anthracene	10H0721			ug/L	0.240	10.0	<0.240							
Benzo (b) fluoranthene	10H0721			ug/L	0.310	10.0	<0.310							
Benzo (b) fluoranthene	10H0721			ug/L	0.310	10.0	<0.310							
Benzo (k) fluoranthene	10H0721			ug/L	0.200	10.0	<0.200							
Benzo (k) fluoranthene	10H0721			ug/L	0.200	10.0	<0.200							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Benzo (a) pyrene	10H0721			ug/L	0.250	10.0	<0.250							
Benzo (a) pyrene	10H0721			ug/L	0.250	10.0	<0.250							
Benzo (g,h,i) perylene	10H0721			ug/L	0.230	10.0	<0.230							
Benzo (g,h,i) perylene	10H0721			ug/L	0.230	10.0	<0.230							
Benzyl alcohol	10H0721			ug/L	0.180	10.0	<0.180							
Benzyl alcohol	10H0721			ug/L	0.180	10.0	<0.180							
Butyl benzyl phthalate	10H0721			ug/L	0.340	10.0	<0.340							
Butyl benzyl phthalate	10H0721			ug/L	0.340	10.0	<0.340							
Bis(2-chloroethyl)ether	10H0721			ug/L	0.180	10.0	<0.180							
Bis(2-chloroethyl)ether	10H0721			ug/L	0.180	10.0	<0.180							
Bis(2-chloroethoxy)methane	10H0721			ug/L	0.260	10.0	<0.260							
Bis(2-chloroethoxy)methane	10H0721			ug/L	0.260	10.0	<0.260							
Bis(2-ethylhexyl)phthalate	10H0721			ug/L	0.390	10.0	<0.390							
Bis(2-ethylhexyl)phthalate	10H0721			ug/L	0.390	10.0	<0.390							
Bis(2-chloroisopropyl) ether	10H0721			ug/L	0.180	10.0	<0.180							
Bis(2-chloroisopropyl) ether	10H0721			ug/L	0.180	10.0	<0.180							
4-Bromophenyl phenyl ether	10H0721			ug/L	0.290	10.0	<0.290							
4-Bromophenyl phenyl ether	10H0721			ug/L	0.290	10.0	<0.290							
Carbazole	10H0721			ug/L	0.260	10.0	<0.260							
Carbazole	10H0721			ug/L	0.260	10.0	<0.260							
4-Chloroaniline	10H0721			ug/L	0.140	10.0	<0.140							
4-Chloroaniline	10H0721			ug/L	0.140	10.0	<0.140							
2-Chloronaphthalene	10H0721			ug/L	0.230	10.0	<0.230							
2-Chloronaphthalene	10H0721			ug/L	0.230	10.0	<0.230							
4-Chlorophenyl phenyl ether	10H0721			ug/L	0.250	10.0	<0.250							
4-Chlorophenyl phenyl ether	10H0721			ug/L	0.250	10.0	<0.250							
Chrysene	10H0721			ug/L	0.290	10.0	<0.290							
Chrysene	10H0721			ug/L	0.290	10.0	<0.290							
Dibenzo (a,h) anthracene	10H0721			ug/L	0.250	10.0	<0.250							
Dibenzo (a,h) anthracene	10H0721			ug/L	0.250	10.0	<0.250							
Dibenzofuran	10H0721			ug/L	0.240	10.0	<0.240							
Dibenzofuran	10H0721			ug/L	0.240	10.0	<0.240							
Di-n-butyl phthalate	10H0721			ug/L	0.510	10.0	<0.510							
Di-n-butyl phthalate	10H0721			ug/L	0.510	10.0	<0.510							
1,2-Dichlorobenzene	10H0721			ug/L	0.230	10.0	<0.230							
1,2-Dichlorobenzene	10H0721			ug/L	0.230	10.0	<0.230							
1,3-Dichlorobenzene	10H0721			ug/L	0.140	10.0	<0.140							
1,3-Dichlorobenzene	10H0721			ug/L	0.140	10.0	<0.140							
1,4-Dichlorobenzene	10H0721			ug/L	0.150	10.0	<0.150							
1,4-Dichlorobenzene	10H0721			ug/L	0.150	10.0	<0.150							
3,3'-Dichlorobenzidine	10H0721			ug/L	0.460	50.0	<0.460							
3,3'-Dichlorobenzidine	10H0721			ug/L	0.460	50.0	<0.460							
Diethyl phthalate	10H0721			ug/L	0.260	10.0	<0.260							
Diethyl phthalate	10H0721			ug/L	0.260	10.0	<0.260							
Dimethyl phthalate	10H0721			ug/L	0.230	10.0	<0.230							
Dimethyl phthalate	10H0721			ug/L	0.230	10.0	<0.230							
2,4-Dinitrotoluene	10H0721			ug/L	0.190	10.0	<0.190							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
2,4-Dinitrotoluene	10H0721			ug/L	0.190	10.0	<0.190							
2,6-Dinitrotoluene	10H0721			ug/L	0.240	10.0	<0.240							
2,6-Dinitrotoluene	10H0721			ug/L	0.240	10.0	<0.240							
Di-n-octyl phthalate	10H0721			ug/L	0.230	20.0	<0.230							
Di-n-octyl phthalate	10H0721			ug/L	0.230	20.0	<0.230							
Fluoranthene	10H0721			ug/L	0.330	10.0	<0.330							
Fluoranthene	10H0721			ug/L	0.330	10.0	<0.330							
Fluorene	10H0721			ug/L	0.290	10.0	<0.290							
Fluorene	10H0721			ug/L	0.290	10.0	<0.290							
Hexachlorobenzene	10H0721			ug/L	0.270	10.0	<0.270							
Hexachlorobenzene	10H0721			ug/L	0.270	10.0	<0.270							
Hexachlorobutadiene	10H0721			ug/L	0.130	10.0	<0.130							
Hexachlorobutadiene	10H0721			ug/L	0.130	10.0	<0.130							
Hexachlorocyclopentadiene	10H0721			ug/L	1.89	20.0	<1.89							
Hexachlorocyclopentadiene	10H0721			ug/L	1.89	20.0	<1.89							
Hexachloroethane	10H0721			ug/L	0.130	10.0	<0.130							
Hexachloroethane	10H0721			ug/L	0.130	10.0	<0.130							
Indeno (1,2,3-cd) pyrene	10H0721			ug/L	0.240	10.0	<0.240							
Indeno (1,2,3-cd) pyrene	10H0721			ug/L	0.240	10.0	<0.240							
Isophorone	10H0721			ug/L	0.220	10.0	<0.220							
Isophorone	10H0721			ug/L	0.220	10.0	<0.220							
2-Methylnaphthalene	10H0721			ug/L	0.190	10.0	<0.190							
2-Methylnaphthalene	10H0721			ug/L	0.190	10.0	<0.190							
Naphthalene	10H0721			ug/L	0.230	10.0	<0.230							
Naphthalene	10H0721			ug/L	0.230	10.0	<0.230							
2-Nitroaniline	10H0721			ug/L	0.230	10.0	<0.230							
2-Nitroaniline	10H0721			ug/L	0.230	10.0	<0.230							
3-Nitroaniline	10H0721			ug/L	0.220	10.0	<0.220							
3-Nitroaniline	10H0721			ug/L	0.220	10.0	<0.220							
4-Nitroaniline	10H0721			ug/L	0.320	10.0	<0.320							
4-Nitroaniline	10H0721			ug/L	0.320	10.0	<0.320							
Nitrobenzene	10H0721			ug/L	0.220	10.0	<0.220							
Nitrobenzene	10H0721			ug/L	0.220	10.0	<0.220							
N-Nitrosodimethylamine	10H0721			ug/L	0.140	10.0	<0.140							
N-Nitrosodimethylamine	10H0721			ug/L	0.140	10.0	<0.140							
N-Nitrosodiphenylamine	10H0721			ug/L	0.660	10.0	<0.660							
N-Nitrosodiphenylamine	10H0721			ug/L	0.660	10.0	<0.660							
N-Nitrosodi-n-propylamine	10H0721			ug/L	0.260	10.0	<0.260							
N-Nitrosodi-n-propylamine	10H0721			ug/L	0.260	10.0	<0.260							
Phenanthrene	10H0721			ug/L	0.600	10.0	<0.600							
Phenanthrene	10H0721			ug/L	0.600	10.0	<0.600							
Pyrene	10H0721			ug/L	0.230	10.0	<0.230							
Pyrene	10H0721			ug/L	0.230	10.0	<0.230							
Pyridine	10H0721			ug/L	0.210	10.0	<0.210							
Pyridine	10H0721			ug/L	0.210	10.0	<0.210							
1,2,4-Trichlorobenzene	10H0721			ug/L	0.120	10.0	<0.120							
1,2,4-Trichlorobenzene	10H0721			ug/L	0.120	10.0	<0.120							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Benzoic acid	10H0721			ug/L	1.01	100	<1.01							
Benzoic acid	10H0721			ug/L	1.01	100	<1.01							
4-Chloro-3-methylphenol	10H0721			ug/L	0.190	10.0	<0.190							
4-Chloro-3-methylphenol	10H0721			ug/L	0.190	10.0	<0.190							
2-Chlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
2-Chlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
Cresol(s)	10H0721			ug/L	0.180	10.0	<0.180							
Cresol(s)	10H0721			ug/L	0.180	10.0	<0.180							
2,4-Dichlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
2,4-Dichlorophenol	10H0721			ug/L	0.150	10.0	<0.150							
2,4-Dimethylphenol	10H0721			ug/L	0.210	10.0	<0.210							
2,4-Dimethylphenol	10H0721			ug/L	0.210	10.0	<0.210							
2,4-Dinitrophenol	10H0721			ug/L	1.34	20.0	<1.34							
2,4-Dinitrophenol	10H0721			ug/L	1.34	20.0	<1.34							
4,6-Dinitro-2-methylphenol	10H0721			ug/L	2.22	10.0	<2.22							
4,6-Dinitro-2-methylphenol	10H0721			ug/L	2.22	10.0	<2.22							
2-Methylphenol (o-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
2-Methylphenol (o-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
4-Methylphenol (p-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
4-Methylphenol (p-Cresol)	10H0721			ug/L	0.180	10.0	<0.180							
2-Nitrophenol	10H0721			ug/L	0.160	10.0	<0.160							
2-Nitrophenol	10H0721			ug/L	0.160	10.0	<0.160							
4-Nitrophenol	10H0721			ug/L	0.120	10.0	<0.120							
4-Nitrophenol	10H0721			ug/L	0.120	10.0	<0.120							
Pentachlorophenol	10H0721			ug/L	0.244	10.0	<0.244							
Pentachlorophenol	10H0721			ug/L	0.244	10.0	<0.244							
Phenol	10H0721			ug/L	2.40	10.0	<2.40							
Phenol	10H0721			ug/L	2.40	10.0	<2.40							
2,4,5-Trichlorophenol	10H0721			ug/L	0.320	10.0	<0.320							
2,4,5-Trichlorophenol	10H0721			ug/L	0.320	10.0	<0.320							
2,4,6-Trichlorophenol	10H0721			ug/L	0.220	10.0	<0.220							
2,4,6-Trichlorophenol	10H0721			ug/L	0.220	10.0	<0.220							
Surrogate: Nitrobenzene-d5	*10H0721*			ug/L							*35-110*			
Surrogate: Nitrobenzene-d5	*10H0721*			ug/L							*35-110*			
Surrogate: 2-Fluorobiphenyl	*10H0721*			ug/L							*35-100*			
Surrogate: 2-Fluorobiphenyl	*10H0721*			ug/L							*35-100*			
Surrogate: Terphenyl-d14	*10H0721*			ug/L							*35-135*			
Surrogate: Terphenyl-d14	*10H0721*			ug/L							*35-135*			
Surrogate: Phenol-d6	*10H0721*			ug/L							*10-60*			
Surrogate: Phenol-d6	*10H0721*			ug/L							*10-60*			
Surrogate: 2-Fluorophenol	*10H0721*			ug/L							*20-80*			
Surrogate: 2-Fluorophenol	*10H0721*			ug/L							*20-80*			
Surrogate: 2,4,6-Tribromophenol	*10H0721*			ug/L							*45-120*			
Surrogate: 2,4,6-Tribromophenol	*10H0721*			ug/L							*45-120*			
Acenaphthene	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
Acenaphthene	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
Acenaphthylene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							

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Semivolatile Organics by GC/MS														
Acenaphthylene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
Anthracene	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Anthracene	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Benzidine	10H0780			mg/kg wet	0.00800	3.30	<0.00800							
Benzidine	10H0780			mg/kg wet	0.00800	3.30	<0.00800							
Benzo (a) anthracene	10H0780			mg/kg wet	0.0110	0.330	<0.0110							
Benzo (a) anthracene	10H0780			mg/kg wet	0.0110	0.330	<0.0110							
Benzo (b) fluoranthene	10H0780			mg/kg wet	0.0150	0.330	<0.0150							
Benzo (b) fluoranthene	10H0780			mg/kg wet	0.0150	0.330	<0.0150							
Benzo (k) fluoranthene	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Benzo (k) fluoranthene	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Benzo (a) pyrene	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
Benzo (a) pyrene	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
Benzo (g,h,i) perylene	10H0780			mg/kg wet	0.0160	0.330	<0.0160							
Benzo (g,h,i) perylene	10H0780			mg/kg wet	0.0160	0.330	<0.0160							
Benzyl alcohol	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
Benzyl alcohol	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
Butyl benzyl phthalate	10H0780			mg/kg wet	0.0200	0.330	<0.0200							
Butyl benzyl phthalate	10H0780			mg/kg wet	0.0200	0.330	<0.0200							
Bis(2-chloroethyl)ether	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
Bis(2-chloroethyl)ether	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
Bis(2-chloroethoxy)methane	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Bis(2-chloroethoxy)methane	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Bis(2-ethylhexyl)phthalate	10H0780			mg/kg wet	0.0210	0.330	<0.0210							
Bis(2-ethylhexyl)phthalate	10H0780			mg/kg wet	0.0210	0.330	<0.0210							
Bis(2-chloroisopropyl) ether	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
Bis(2-chloroisopropyl) ether	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
4-Bromophenyl phenyl ether	10H0780			mg/kg wet	0.0170	0.330	<0.0170							
4-Bromophenyl phenyl ether	10H0780			mg/kg wet	0.0170	0.330	<0.0170							
Carbazole	10H0780			mg/kg wet	0.0130	0.330	<0.0130							
Carbazole	10H0780			mg/kg wet	0.0130	0.330	<0.0130							
4-Chloroaniline	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
4-Chloroaniline	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
2-Chloronaphthalene	10H0780			mg/kg wet	0.0110	0.330	<0.0110							
2-Chloronaphthalene	10H0780			mg/kg wet	0.0110	0.330	<0.0110							
4-Chlorophenyl phenyl ether	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
4-Chlorophenyl phenyl ether	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Chrysene	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Chrysene	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Dibenzo (a,h) anthracene	10H0780			mg/kg wet	0.0190	0.330	<0.0190							
Dibenzo (a,h) anthracene	10H0780			mg/kg wet	0.0190	0.330	<0.0190							
Dibenzofuran	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Dibenzofuran	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Di-n-butyl phthalate	10H0780			mg/kg wet	0.0200	0.330	<0.0200							
Di-n-butyl phthalate	10H0780			mg/kg wet	0.0200	0.330	<0.0200							
1,2-Dichlorobenzene	10H0780			mg/kg wet	0.00900	0.330	0.0427							J
1,2-Dichlorobenzene	10H0780			mg/kg wet	0.00900	0.330	0.0427							J

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
1,3-Dichlorobenzene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
1,3-Dichlorobenzene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
1,4-Dichlorobenzene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
1,4-Dichlorobenzene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
3,3'-Dichlorobenzidine	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
3,3'-Dichlorobenzidine	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Diethyl phthalate	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Diethyl phthalate	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Dimethyl phthalate	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
Dimethyl phthalate	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
2,4-Dinitrotoluene	10H0780			mg/kg wet	0.0180	0.330	<0.0180							
2,4-Dinitrotoluene	10H0780			mg/kg wet	0.0180	0.330	<0.0180							
2,6-Dinitrotoluene	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
2,6-Dinitrotoluene	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
Di-n-octyl phthalate	10H0780			mg/kg wet	0.0370	0.330	<0.0370							
Di-n-octyl phthalate	10H0780			mg/kg wet	0.0370	0.330	<0.0370							
Fluoranthene	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Fluoranthene	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Fluorene	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
Fluorene	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
Hexachlorobenzene	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
Hexachlorobenzene	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
Hexachlorobutadiene	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Hexachlorobutadiene	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Hexachlorocyclopentadiene	10H0780			mg/kg wet	0.0120	0.660	<0.0120							
Hexachlorocyclopentadiene	10H0780			mg/kg wet	0.0120	0.660	<0.0120							
Hexachloroethane	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Hexachloroethane	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Indeno (1,2,3-cd) pyrene	10H0780			mg/kg wet	0.0150	0.330	<0.0150							
Indeno (1,2,3-cd) pyrene	10H0780			mg/kg wet	0.0150	0.330	<0.0150							
Isophorone	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
Isophorone	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
2-Methylnaphthalene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
2-Methylnaphthalene	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
Naphthalene	10H0780			mg/kg wet	0.259	0.330	<0.259							
Naphthalene	10H0780			mg/kg wet	0.259	0.330	<0.259							
2-Nitroaniline	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
2-Nitroaniline	10H0780			mg/kg wet	0.0140	0.330	<0.0140							
3-Nitroaniline	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
3-Nitroaniline	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
4-Nitroaniline	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
4-Nitroaniline	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Nitrobenzene	10H0780			mg/kg wet	0.0110	0.330	<0.0110							
Nitrobenzene	10H0780			mg/kg wet	0.0110	0.330	<0.0110							
N-Nitrosodimethylamine	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
N-Nitrosodimethylamine	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
N-Nitrosodiphenylamine	10H0780			mg/kg wet	0.0130	0.330	<0.0130							

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
N-Nitrosodiphenylamine	10H0780			mg/kg wet	0.0130	0.330	<0.0130							
N-Nitrosodi-n-propylamine	10H0780			mg/kg wet	0.0680	0.330	<0.0680							
N-Nitrosodi-n-propylamine	10H0780			mg/kg wet	0.0680	0.330	<0.0680							
Phenanthrene	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Phenanthrene	10H0780			mg/kg wet	0.0120	0.330	<0.0120							
Pyrene	10H0780			mg/kg wet	0.0130	0.330	<0.0130							
Pyrene	10H0780			mg/kg wet	0.0130	0.330	<0.0130							
Pyridine	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
Pyridine	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
1,2,4-Trichlorobenzene	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
1,2,4-Trichlorobenzene	10H0780			mg/kg wet	0.00700	0.330	<0.00700							
Benzoic acid	10H0780			mg/kg wet	0.440	0.660	<0.440							
Benzoic acid	10H0780			mg/kg wet	0.440	0.660	<0.440							
4-Chloro-3-methylphenol	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
4-Chloro-3-methylphenol	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
2-Chlorophenol	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
2-Chlorophenol	10H0780			mg/kg wet	0.0100	0.330	<0.0100							
Cresol(s)	10H0780			mg/kg wet	0.250	0.330	<0.250							
Cresol(s)	10H0780			mg/kg wet	0.250	0.330	<0.250							
2,4-Dichlorophenol	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
2,4-Dichlorophenol	10H0780			mg/kg wet	0.00900	0.330	<0.00900							
2,4-Dimethylphenol	10H0780			mg/kg wet	0.0150	0.330	<0.0150							
2,4-Dimethylphenol	10H0780			mg/kg wet	0.0150	0.330	<0.0150							
2,4-Dinitrophenol	10H0780			mg/kg wet	0.0710	0.660	<0.0710							
2,4-Dinitrophenol	10H0780			mg/kg wet	0.0710	0.660	<0.0710							
4,6-Dinitro-2-methylphenol	10H0780			mg/kg wet	0.00800	0.330	0.0166							J
4,6-Dinitro-2-methylphenol	10H0780			mg/kg wet	0.00800	0.330	0.0166							J
2-Methylphenol (o-Cresol)	10H0780			mg/kg wet	0.257	0.330	<0.257							
2-Methylphenol (o-Cresol)	10H0780			mg/kg wet	0.257	0.330	<0.257							
4-Methylphenol (p-Cresol)	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
4-Methylphenol (p-Cresol)	10H0780			mg/kg wet	0.00800	0.330	<0.00800							
2-Nitrophenol	10H0780			mg/kg wet	0.0230	0.330	<0.0230							
2-Nitrophenol	10H0780			mg/kg wet	0.0230	0.330	<0.0230							
4-Nitrophenol	10H0780			mg/kg wet	0.0160	0.330	<0.0160							
4-Nitrophenol	10H0780			mg/kg wet	0.0160	0.330	<0.0160							
Pentachlorophenol	10H0780			mg/kg wet	0.240	0.330	<0.240							
Pentachlorophenol	10H0780			mg/kg wet	0.240	0.330	<0.240							
Phenol	10H0780			mg/kg wet	0.240	0.330	<0.240							
Phenol	10H0780			mg/kg wet	0.240	0.330	<0.240							
2,4,5-Trichlorophenol	10H0780			mg/kg wet	0.0160	0.330	<0.0160							
2,4,5-Trichlorophenol	10H0780			mg/kg wet	0.0160	0.330	<0.0160							
2,4,6-Trichlorophenol	10H0780			mg/kg wet	0.0200	0.330	<0.0200							
2,4,6-Trichlorophenol	10H0780			mg/kg wet	0.0200	0.330	<0.0200							
Surrogate: Nitrobenzene-d5	*10H0780*			mg/kg wet					*79*		*30-115*			
Surrogate: Nitrobenzene-d5	*10H0780*			mg/kg wet					*79*		*30-115*			
Surrogate: 2-Fluorobiphenyl	*10H0780*			mg/kg wet					*78*		*40-110*			
Surrogate: 2-Fluorobiphenyl	*10H0780*			mg/kg wet					*78*		*40-110*			

TERRACON - CEDAR RAPIDS
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Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
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Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Surrogate: Terphenyl-d14	*10H0780*			mg/kg wet					*92*		*45-145*			
Surrogate: Terphenyl-d14	*10H0780*			mg/kg wet					*92*		*45-145*			
Surrogate: Phenol-d6	*10H0780*			mg/kg wet					*79*		*25-120*			
Surrogate: Phenol-d6	*10H0780*			mg/kg wet					*79*		*25-120*			
Surrogate: 2-Fluorophenol	*10H0780*			mg/kg wet					*78*		*30-115*			
Surrogate: 2-Fluorophenol	*10H0780*			mg/kg wet					*78*		*30-115*			
Surrogate: 2,4,6-Tribromophenol	*10H0780*			mg/kg wet					*85*		*50-125*			
Surrogate: 2,4,6-Tribromophenol	*10H0780*			mg/kg wet					*85*		*50-125*			
UST ANALYSIS PARAMETERS														
Diesel	10H0713			ug/L	N/A	300	<300							
Diesel	10H0713			ug/L	N/A	300	<300							
Gasoline	10H0713			ug/L	N/A	300	<300							
Gasoline	10H0713			ug/L	N/A	300	<300							
Motor Oil	10H0713			ug/L	N/A	300	<300							
Motor Oil	10H0713			ug/L	N/A	300	<300							
Surrogate: Octacosane	*10H0713*			ug/L					*96*		*55-150*			
Surrogate: Octacosane	*10H0713*			ug/L					*96*		*55-150*			
Diesel	10H0749			mg/kg	N/A	10.0	<10.0							
Diesel	10H0749			mg/kg	N/A	10.0	<10.0							
Gasoline	10H0749			mg/kg	N/A	10.0	<10.0							
Gasoline	10H0749			mg/kg	N/A	10.0	<10.0							
Motor Oil	10H0749			mg/kg	N/A	10.0	<10.0							
Motor Oil	10H0749			mg/kg	N/A	10.0	<10.0							
Surrogate: Octacosane	*10H0749*			mg/kg					*114*		*50-150*			
Surrogate: Octacosane	*10H0749*			mg/kg					*114*		*50-150*			
Organochlorine Pesticides by EPA Method 8081A														
Aldrin	10H0716			ug/L	N/A	0.0320	<0.0320							
Aldrin	10H0716			ug/L	N/A	0.0320	<0.0320							
alpha-BHC	10H0716			ug/L	N/A	0.0320	<0.0320							
alpha-BHC	10H0716			ug/L	N/A	0.0320	<0.0320							
beta-BHC	10H0716			ug/L	N/A	0.0320	<0.0320							
beta-BHC	10H0716			ug/L	N/A	0.0320	<0.0320							
delta-BHC	10H0716			ug/L	N/A	0.0320	<0.0320							
delta-BHC	10H0716			ug/L	N/A	0.0320	<0.0320							
gamma-BHC (Lindane)	10H0716			ug/L	N/A	0.0320	<0.0320							
gamma-BHC (Lindane)	10H0716			ug/L	N/A	0.0320	<0.0320							
alpha-Chlordane	10H0716			ug/L	N/A	0.0320	<0.0320							
alpha-Chlordane	10H0716			ug/L	N/A	0.0320	<0.0320							
gamma-Chlordane	10H0716			ug/L	N/A	0.0320	<0.0320							
gamma-Chlordane	10H0716			ug/L	N/A	0.0320	<0.0320							
Chlordane	10H0716			ug/L	N/A	2.00	<2.00							
Chlordane	10H0716			ug/L	N/A	2.00	<2.00							
Dieldrin	10H0716			ug/L	N/A	0.0320	<0.0320							
Dieldrin	10H0716			ug/L	N/A	0.0320	<0.0320							
4,4'-DDD	10H0716			ug/L	N/A	0.0320	<0.0320							
4,4'-DDD	10H0716			ug/L	N/A	0.0320	<0.0320							
4,4'-DDE	10H0716			ug/L	N/A	0.0320	<0.0320							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides by EPA Method 8081A														
4,4'-DDE	10H0716			ug/L	N/A	0.0320	<0.0320							
4,4'-DDT	10H0716			ug/L	N/A	0.0320	<0.0320							
4,4'-DDT	10H0716			ug/L	N/A	0.0320	<0.0320							
Endosulfan I	10H0716			ug/L	N/A	0.0320	<0.0320							
Endosulfan I	10H0716			ug/L	N/A	0.0320	<0.0320							
Endosulfan II	10H0716			ug/L	N/A	0.0320	<0.0320							
Endosulfan II	10H0716			ug/L	N/A	0.0320	<0.0320							
Endosulfan sulfate	10H0716			ug/L	N/A	0.0320	<0.0320							
Endosulfan sulfate	10H0716			ug/L	N/A	0.0320	<0.0320							
Endrin	10H0716			ug/L	N/A	0.0320	<0.0320							
Endrin	10H0716			ug/L	N/A	0.0320	<0.0320							
Endrin aldehyde	10H0716			ug/L	N/A	0.0320	<0.0320							
Endrin aldehyde	10H0716			ug/L	N/A	0.0320	<0.0320							
Endrin ketone	10H0716			ug/L	N/A	0.0320	<0.0320							
Endrin ketone	10H0716			ug/L	N/A	0.0320	<0.0320							
Heptachlor	10H0716			ug/L	N/A	0.0320	<0.0320							
Heptachlor	10H0716			ug/L	N/A	0.0320	<0.0320							
Heptachlor epoxide	10H0716			ug/L	N/A	0.0320	<0.0320							
Heptachlor epoxide	10H0716			ug/L	N/A	0.0320	<0.0320							
Methoxychlor	10H0716			ug/L	N/A	0.0320	<0.0320							
Methoxychlor	10H0716			ug/L	N/A	0.0320	<0.0320							
Toxaphene	10H0716			ug/L	N/A	2.00	<2.00							
Toxaphene	10H0716			ug/L	N/A	2.00	<2.00							
Surrogate: Decachlorobiphenyl	*10H0716*			ug/L					*78*		*45-130*			
Surrogate: Decachlorobiphenyl	*10H0716*			ug/L					*78*		*45-130*			
Surrogate: Tetrachloro-meta-xylene	*10H0716*			ug/L					*77*		*30-100*			
Surrogate: Tetrachloro-meta-xylene	*10H0716*			ug/L					*77*		*30-100*			
Aldrin	10H0718			ug/kg wet	N/A	5.30	<5.30							
Aldrin	10H0718			ug/kg wet	N/A	5.30	<5.30							
alpha-BHC	10H0718			ug/kg wet	N/A	5.30	<5.30							
alpha-BHC	10H0718			ug/kg wet	N/A	5.30	<5.30							
beta-BHC	10H0718			ug/kg wet	N/A	5.30	<5.30							
beta-BHC	10H0718			ug/kg wet	N/A	5.30	<5.30							
delta-BHC	10H0718			ug/kg wet	N/A	5.30	<5.30							
delta-BHC	10H0718			ug/kg wet	N/A	5.30	<5.30							
gamma-BHC (Lindane)	10H0718			ug/kg wet	N/A	5.30	<5.30							
gamma-BHC (Lindane)	10H0718			ug/kg wet	N/A	5.30	<5.30							
alpha-Chlordane	10H0718			ug/kg wet	N/A	5.30	<5.30							
alpha-Chlordane	10H0718			ug/kg wet	N/A	5.30	<5.30							
gamma-Chlordane	10H0718			ug/kg wet	N/A	5.30	<5.30							
gamma-Chlordane	10H0718			ug/kg wet	N/A	5.30	<5.30							
Chlordane	10H0718			ug/kg wet	N/A	66.7	<66.7							
Chlordane	10H0718			ug/kg wet	N/A	66.7	<66.7							
Dieldrin	10H0718			ug/kg wet	N/A	5.30	<5.30							
Dieldrin	10H0718			ug/kg wet	N/A	5.30	<5.30							
4,4'-DDD	10H0718			ug/kg wet	N/A	5.30	<5.30							
4,4'-DDD	10H0718			ug/kg wet	N/A	5.30	<5.30							

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides by EPA Method 8081A														
4,4'-DDE	10H0718			ug/kg wet	N/A	5.30	<5.30							
4,4'-DDE	10H0718			ug/kg wet	N/A	5.30	<5.30							
4,4'-DDT	10H0718			ug/kg wet	N/A	5.30	<5.30							
4,4'-DDT	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endosulfan I	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endosulfan I	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endosulfan II	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endosulfan II	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endosulfan sulfate	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endosulfan sulfate	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endrin	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endrin	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endrin aldehyde	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endrin aldehyde	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endrin ketone	10H0718			ug/kg wet	N/A	5.30	<5.30							
Endrin ketone	10H0718			ug/kg wet	N/A	5.30	<5.30							
Heptachlor	10H0718			ug/kg wet	N/A	5.30	<5.30							
Heptachlor	10H0718			ug/kg wet	N/A	5.30	<5.30							
Heptachlor epoxide	10H0718			ug/kg wet	N/A	5.30	<5.30							
Heptachlor epoxide	10H0718			ug/kg wet	N/A	5.30	<5.30							
Methoxychlor	10H0718			ug/kg wet	N/A	5.30	<5.30							
Methoxychlor	10H0718			ug/kg wet	N/A	5.30	<5.30							
Toxaphene	10H0718			ug/kg wet	N/A	66.7	<66.7							
Toxaphene	10H0718			ug/kg wet	N/A	66.7	<66.7							
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg wet					*97*		*45-145*			
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg wet					*97*		*45-145*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg wet					*88*		*55-105*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg wet					*88*		*55-105*			

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LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
QC Source Sample: CTH0918-01													
% Solids	10H0729	8.28		%	N/A	0.100	8.30				0	10	
% Solids	10H0729	8.28		%	N/A	0.100	8.30				0	10	
QC Source Sample: CTH0832-04													
% Solids	10H0729	83.0		%	N/A	0.100	84.6				2	10	
% Solids	10H0729	83.0		%	N/A	0.100	84.6				2	10	
QC Source Sample: CTH0900-02													
% Solids	10H0763	54.9		%	N/A	0.100	51.0				7	10	
% Solids	10H0763	54.9		%	N/A	0.100	51.0				7	10	
QC Source Sample: CTH0981-01													
% Solids	10H0763	81.1		%	N/A	0.100	80.9				0	10	
% Solids	10H0763	81.1		%	N/A	0.100	80.9				0	10	

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Acetone	10H0875		20.0	ug/L	N/A	N/A	27.8		139		60-150			C9,CIN
Acetone	10H0875		20.0	ug/L	N/A	N/A	27.8		139		60-150			C9,CIN
Acrylonitrile	10H0875		20.0	ug/L	N/A	N/A	21.1		105		50-145			
Acrylonitrile	10H0875		20.0	ug/L	N/A	N/A	21.1		105		50-145			
Benzene	10H0875		20.0	ug/L	N/A	N/A	21.4		107		70-130			
Benzene	10H0875		20.0	ug/L	N/A	N/A	21.4		107		70-130			
Bromobenzene	10H0875		20.0	ug/L	N/A	N/A	22.4		112		75-130			
Bromobenzene	10H0875		20.0	ug/L	N/A	N/A	22.4		112		75-130			
Bromochloromethane	10H0875		20.0	ug/L	N/A	N/A	22.8		114		65-145			
Bromochloromethane	10H0875		20.0	ug/L	N/A	N/A	22.8		114		65-145			
Bromodichloromethane	10H0875		20.0	ug/L	N/A	N/A	19.7		98		60-130			C9,CIN
Bromodichloromethane	10H0875		20.0	ug/L	N/A	N/A	19.7		98		60-130			C9,CIN
Bromoform	10H0875		20.0	ug/L	N/A	N/A	16.8		84		30-125			C9,CIN
Bromoform	10H0875		20.0	ug/L	N/A	N/A	16.8		84		30-125			C9,CIN
Bromomethane	10H0875		20.0	ug/L	N/A	N/A	15.9		80		35-130			
Bromomethane	10H0875		20.0	ug/L	N/A	N/A	15.9		80		35-130			
2-Butanone (MEK)	10H0875		20.0	ug/L	N/A	N/A	25.6		128		55-140			
2-Butanone (MEK)	10H0875		20.0	ug/L	N/A	N/A	25.6		128		55-140			
n-Butylbenzene	10H0875		20.0	ug/L	N/A	N/A	19.2		96		55-135			
n-Butylbenzene	10H0875		20.0	ug/L	N/A	N/A	19.2		96		55-135			
sec-Butylbenzene	10H0875		20.0	ug/L	N/A	N/A	19.6		98		65-135			
sec-Butylbenzene	10H0875		20.0	ug/L	N/A	N/A	19.6		98		65-135			
tert-Butylbenzene	10H0875		20.0	ug/L	N/A	N/A	18.9		95		60-135			
tert-Butylbenzene	10H0875		20.0	ug/L	N/A	N/A	18.9		95		60-135			
Carbon disulfide	10H0875		20.0	ug/L	N/A	N/A	16.3		82		40-130			
Carbon disulfide	10H0875		20.0	ug/L	N/A	N/A	16.3		82		40-130			
Carbon Tetrachloride	10H0875		20.0	ug/L	N/A	N/A	18.6		93		55-130			
Carbon Tetrachloride	10H0875		20.0	ug/L	N/A	N/A	18.6		93		55-130			
Chlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.8		104		75-125			
Chlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.8		104		75-125			
Chlorodibromomethane	10H0875		20.0	ug/L	N/A	N/A	15.2		76		45-125			CIN
Chlorodibromomethane	10H0875		20.0	ug/L	N/A	N/A	15.2		76		45-125			CIN
Chloroethane	10H0875		20.0	ug/L	N/A	N/A	19.2		96		55-135			
Chloroethane	10H0875		20.0	ug/L	N/A	N/A	19.2		96		55-135			
Chloroform	10H0875		20.0	ug/L	N/A	N/A	18.8		94		70-125			
Chloroform	10H0875		20.0	ug/L	N/A	N/A	18.8		94		70-125			
Chloromethane	10H0875		20.0	ug/L	N/A	N/A	14.4		72		30-125			
Chloromethane	10H0875		20.0	ug/L	N/A	N/A	14.4		72		30-125			
2-Chlorotoluene	10H0875		20.0	ug/L	N/A	N/A	23.8		119		75-135			C9
2-Chlorotoluene	10H0875		20.0	ug/L	N/A	N/A	23.8		119		75-135			C9
4-Chlorotoluene	10H0875		20.0	ug/L	N/A	N/A	23.6		118		70-140			C9
4-Chlorotoluene	10H0875		20.0	ug/L	N/A	N/A	23.6		118		70-140			C9
1,2-Dibromo-3-chloropropane	10H0875		20.0	ug/L	N/A	N/A	21.9		109		35-130			
1,2-Dibromo-3-chloropropane	10H0875		20.0	ug/L	N/A	N/A	21.9		109		35-130			
1,2-Dibromoethane (EDB)	10H0875		20.0	ug/L	N/A	N/A	21.3		106		70-135			
1,2-Dibromoethane (EDB)	10H0875		20.0	ug/L	N/A	N/A	21.3		106		70-135			
Dibromomethane	10H0875		20.0	ug/L	N/A	N/A	21.6		108		75-130			

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Dibromomethane	10H0875		20.0	ug/L	N/A	N/A	21.6		108		75-130			
1,2-Dichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.7		104		65-135			
1,2-Dichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.7		104		65-135			
1,3-Dichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.0		100		70-130			
1,3-Dichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.0		100		70-130			
1,4-Dichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	19.5		98		60-140			
1,4-Dichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	19.5		98		60-140			
Dichlorodifluoromethane	10H0875		20.0	ug/L	N/A	N/A	12.4		62		35-130			
Dichlorodifluoromethane	10H0875		20.0	ug/L	N/A	N/A	12.4		62		35-130			
1,1-Dichloroethane	10H0875		20.0	ug/L	N/A	N/A	19.2		96		60-130			
1,1-Dichloroethane	10H0875		20.0	ug/L	N/A	N/A	19.2		96		60-130			
1,2-Dichloroethane	10H0875		20.0	ug/L	N/A	N/A	21.1		105		65-140			
1,2-Dichloroethane	10H0875		20.0	ug/L	N/A	N/A	21.1		105		65-140			
1,1-Dichloroethene	10H0875		20.0	ug/L	N/A	N/A	17.6		88		60-135			
1,1-Dichloroethene	10H0875		20.0	ug/L	N/A	N/A	17.6		88		60-135			
cis-1,2-Dichloroethene	10H0875		20.0	ug/L	N/A	N/A	19.9		100		70-135			
cis-1,2-Dichloroethene	10H0875		20.0	ug/L	N/A	N/A	19.9		100		70-135			
trans-1,2-Dichloroethene	10H0875		20.0	ug/L	N/A	N/A	19.0		95		60-145			
trans-1,2-Dichloroethene	10H0875		20.0	ug/L	N/A	N/A	19.0		95		60-145			
1,2-Dichloropropane	10H0875		20.0	ug/L	N/A	N/A	20.7		104		65-130			
1,2-Dichloropropane	10H0875		20.0	ug/L	N/A	N/A	20.7		104		65-130			
1,3-Dichloropropane	10H0875		20.0	ug/L	N/A	N/A	21.4		107		75-125			
1,3-Dichloropropane	10H0875		20.0	ug/L	N/A	N/A	21.4		107		75-125			
2,2-Dichloropropane	10H0875		20.0	ug/L	N/A	N/A	17.1		86		25-120			
2,2-Dichloropropane	10H0875		20.0	ug/L	N/A	N/A	17.1		86		25-120			
1,1-Dichloropropene	10H0875		20.0	ug/L	N/A	N/A	19.4		97		60-140			
1,1-Dichloropropene	10H0875		20.0	ug/L	N/A	N/A	19.4		97		60-140			
cis-1,3-Dichloropropene	10H0875		20.0	ug/L	N/A	N/A	16.0		80		30-120			CIN
cis-1,3-Dichloropropene	10H0875		20.0	ug/L	N/A	N/A	16.0		80		30-120			CIN
trans-1,3-Dichloropropene	10H0875		20.0	ug/L	N/A	N/A	14.4		72		35-120			CIN
trans-1,3-Dichloropropene	10H0875		20.0	ug/L	N/A	N/A	14.4		72		35-120			CIN
Ethylbenzene	10H0875		20.0	ug/L	N/A	N/A	21.2		106		70-130			
Ethylbenzene	10H0875		20.0	ug/L	N/A	N/A	21.2		106		70-130			
Hexachlorobutadiene	10H0875		20.0	ug/L	N/A	N/A	20.1		101		60-135			
Hexachlorobutadiene	10H0875		20.0	ug/L	N/A	N/A	20.1		101		60-135			
Hexane	10H0875		20.0	ug/L	N/A	N/A	17.2		86		40-135			
Hexane	10H0875		20.0	ug/L	N/A	N/A	17.2		86		40-135			
Isopropylbenzene	10H0875		20.0	ug/L	N/A	N/A	19.4		97		70-125			
Isopropylbenzene	10H0875		20.0	ug/L	N/A	N/A	19.4		97		70-125			
p-Isopropyltoluene	10H0875		20.0	ug/L	N/A	N/A	19.4		97		60-140			
p-Isopropyltoluene	10H0875		20.0	ug/L	N/A	N/A	19.4		97		60-140			
Methylene Chloride	10H0875		20.0	ug/L	N/A	N/A	17.6		88		55-145			
Methylene Chloride	10H0875		20.0	ug/L	N/A	N/A	17.6		88		55-145			
Methyl tert-Butyl Ether	10H0875		20.0	ug/L	N/A	N/A	21.1		105		50-135			
Methyl tert-Butyl Ether	10H0875		20.0	ug/L	N/A	N/A	21.1		105		50-135			
Naphthalene	10H0875		20.0	ug/L	N/A	N/A	20.4		102		40-135			
Naphthalene	10H0875		20.0	ug/L	N/A	N/A	20.4		102		40-135			

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
n-Propylbenzene	10H0875		20.0	ug/L	N/A	N/A	23.7		119		70-135			C9
n-Propylbenzene	10H0875		20.0	ug/L	N/A	N/A	23.7		119		70-135			C9
Styrene	10H0875		20.0	ug/L	N/A	N/A	21.0		105		70-130			
Styrene	10H0875		20.0	ug/L	N/A	N/A	21.0		105		70-130			
1,1,1,2-Tetrachloroethane	10H0875		20.0	ug/L	N/A	N/A	19.3		96		65-120			CIN
1,1,1,2-Tetrachloroethane	10H0875		20.0	ug/L	N/A	N/A	19.3		96		65-120			CIN
1,1,2,2-Tetrachloroethane	10H0875		20.0	ug/L	N/A	N/A	25.0		125		65-130			C
1,1,2,2-Tetrachloroethane	10H0875		20.0	ug/L	N/A	N/A	25.0		125		65-130			C
Tetrachloroethene	10H0875		20.0	ug/L	N/A	N/A	21.0		105		70-135			
Tetrachloroethene	10H0875		20.0	ug/L	N/A	N/A	21.0		105		70-135			
Toluene	10H0875		20.0	ug/L	N/A	N/A	20.9		104		70-135			
Toluene	10H0875		20.0	ug/L	N/A	N/A	20.9		104		70-135			
1,2,3-Trichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.2		101		55-130			
1,2,3-Trichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	20.2		101		55-130			
1,2,4-Trichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	17.5		87		40-135			
1,2,4-Trichlorobenzene	10H0875		20.0	ug/L	N/A	N/A	17.5		87		40-135			
1,1,1-Trichloroethane	10H0875		20.0	ug/L	N/A	N/A	20.2		101		60-125			CIN
1,1,1-Trichloroethane	10H0875		20.0	ug/L	N/A	N/A	20.2		101		60-125			CIN
1,1,2-Trichloroethane	10H0875		20.0	ug/L	N/A	N/A	21.2		106		75-125			
1,1,2-Trichloroethane	10H0875		20.0	ug/L	N/A	N/A	21.2		106		75-125			
Trichloroethene	10H0875		20.0	ug/L	N/A	N/A	20.6		103		70-130			
Trichloroethene	10H0875		20.0	ug/L	N/A	N/A	20.6		103		70-130			
Trichlorofluoromethane	10H0875		20.0	ug/L	N/A	N/A	19.3		97		55-145			
Trichlorofluoromethane	10H0875		20.0	ug/L	N/A	N/A	19.3		97		55-145			
1,2,3-Trichloropropane	10H0875		20.0	ug/L	N/A	N/A	25.0		125		60-150			C
1,2,3-Trichloropropane	10H0875		20.0	ug/L	N/A	N/A	25.0		125		60-150			C
1,2,4-Trimethylbenzene	10H0875		20.0	ug/L	N/A	N/A	23.8		119		70-140			C9
1,2,4-Trimethylbenzene	10H0875		20.0	ug/L	N/A	N/A	23.8		119		70-140			C9
1,3,5-Trimethylbenzene	10H0875		20.0	ug/L	N/A	N/A	24.2		121		70-140			C
1,3,5-Trimethylbenzene	10H0875		20.0	ug/L	N/A	N/A	24.2		121		70-140			C
Vinyl chloride	10H0875		20.0	ug/L	N/A	N/A	17.4		87		45-135			
Vinyl chloride	10H0875		20.0	ug/L	N/A	N/A	17.4		87		45-135			
Xylenes, total	10H0875		60.0	ug/L	N/A	N/A	68.1		114		70-130			C9
Xylenes, total	10H0875		60.0	ug/L	N/A	N/A	68.1		114		70-130			C9
Surrogate: Dibromofluoromethane	*10H0875*			ug/L					*94*		*75-120*			
Surrogate: Dibromofluoromethane	*10H0875*			ug/L					*94*		*75-120*			
Surrogate: Toluene-d8	*10H0875*			ug/L					*97*		*80-120*			
Surrogate: Toluene-d8	*10H0875*			ug/L					*97*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0875*			ug/L					*109*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0875*			ug/L					*109*		*80-120*			
Acetone	10H0882		40.4	ug/kg wet	N/A	101	55.8		138		65-150			
Acetone	10H0882		40.4	ug/kg wet	N/A	101	55.8		138		65-150			
Acrylonitrile	10H0882		40.4	ug/kg wet	N/A	101	37.5		93		45-140			
Acrylonitrile	10H0882		40.4	ug/kg wet	N/A	101	37.5		93		45-140			
Benzene	10H0882		40.4	ug/kg wet	N/A	10.1	42.4		105		55-135			
Benzene	10H0882		40.4	ug/kg wet	N/A	10.1	42.4		105		55-135			
Bromobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.6		103		65-125			

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Bromobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.6		103		65-125			
Bromochloromethane	10H0882		40.4	ug/kg wet	N/A	10.1	43.0		106		65-130			
Bromochloromethane	10H0882		40.4	ug/kg wet	N/A	10.1	43.0		106		65-130			
Bromodichloromethane	10H0882		40.4	ug/kg wet	N/A	10.1	43.4		108		65-130			
Bromodichloromethane	10H0882		40.4	ug/kg wet	N/A	10.1	43.4		108		65-130			
Bromoform	10H0882		40.4	ug/kg wet	N/A	20.2	37.8		94		50-135			
Bromoform	10H0882		40.4	ug/kg wet	N/A	20.2	37.8		94		50-135			
Bromomethane	10H0882		40.4	ug/kg wet	N/A	40.4	37.8		94		45-135			
Bromomethane	10H0882		40.4	ug/kg wet	N/A	40.4	37.8		94		45-135			
2-Butanone (MEK)	10H0882		40.4	ug/kg wet	N/A	101	52.8		131		50-145			
2-Butanone (MEK)	10H0882		40.4	ug/kg wet	N/A	101	52.8		131		50-145			
n-Butylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	38.0		94		55-130			
n-Butylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	38.0		94		55-130			
sec-Butylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.7		103		60-125			
sec-Butylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.7		103		60-125			
tert-Butylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		55-125			
tert-Butylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		55-125			
Carbon disulfide	10H0882		40.4	ug/kg wet	N/A	10.1	41.3		102		40-135			
Carbon disulfide	10H0882		40.4	ug/kg wet	N/A	10.1	41.3		102		40-135			
Carbon Tetrachloride	10H0882		40.4	ug/kg wet	N/A	10.1	43.6		108		55-130			
Carbon Tetrachloride	10H0882		40.4	ug/kg wet	N/A	10.1	43.6		108		55-130			
Chlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	40.9		101		60-120			
Chlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	40.9		101		60-120			
Chlorodibromomethane	10H0882		40.4	ug/kg wet	N/A	10.1	39.8		99		55-130			
Chlorodibromomethane	10H0882		40.4	ug/kg wet	N/A	10.1	39.8		99		55-130			
Chloroethane	10H0882		40.4	ug/kg wet	N/A	40.4	40.2		99		50-145			
Chloroethane	10H0882		40.4	ug/kg wet	N/A	40.4	40.2		99		50-145			
Chloroform	10H0882		40.4	ug/kg wet	N/A	10.1	40.5		100		65-130			
Chloroform	10H0882		40.4	ug/kg wet	N/A	10.1	40.5		100		65-130			
Chloromethane	10H0882		40.4	ug/kg wet	N/A	40.4	32.7		81		40-135			
Chloromethane	10H0882		40.4	ug/kg wet	N/A	40.4	32.7		81		40-135			
2-Chlorotoluene	10H0882		40.4	ug/kg wet	N/A	10.1	44.3		110		60-125			
2-Chlorotoluene	10H0882		40.4	ug/kg wet	N/A	10.1	44.3		110		60-125			
4-Chlorotoluene	10H0882		40.4	ug/kg wet	N/A	10.1	40.3		100		60-125			
4-Chlorotoluene	10H0882		40.4	ug/kg wet	N/A	10.1	40.3		100		60-125			
1,2-Dibromo-3-chloropropane	10H0882		40.4	ug/kg wet	N/A	101	38.0		94		50-140			
1,2-Dibromo-3-chloropropane	10H0882		40.4	ug/kg wet	N/A	101	38.0		94		50-140			
1,2-Dibromoethane (EDB)	10H0882		40.4	ug/kg wet	N/A	101	39.7		98		55-140			
1,2-Dibromoethane (EDB)	10H0882		40.4	ug/kg wet	N/A	101	39.7		98		55-140			
Dibromomethane	10H0882		40.4	ug/kg wet	N/A	10.1	42.4		105		65-135			
Dibromomethane	10H0882		40.4	ug/kg wet	N/A	10.1	42.4		105		65-135			
1,2-Dichlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	37.6		93		65-120			
1,2-Dichlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	37.6		93		65-120			
1,3-Dichlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	37.4		93		60-125			
1,3-Dichlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	37.4		93		60-125			
1,4-Dichlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	37.1		92		60-125			
1,4-Dichlorobenzene	10H0882		40.4	ug/kg wet	N/A	10.1	37.1		92		60-125			

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Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Dichlorodifluoromethane	10H0882		40.4	ug/kg wet	N/A	30.3	37.2		92		40-135			
Dichlorodifluoromethane	10H0882		40.4	ug/kg wet	N/A	30.3	37.2		92		40-135			
1,1-Dichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	41.0		102		55-135			
1,1-Dichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	41.0		102		55-135			
1,2-Dichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	40.7		101		60-140			
1,2-Dichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	40.7		101		60-140			
1,1-Dichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	44.4		110		50-145			
1,1-Dichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	44.4		110		50-145			
cis-1,2-Dichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	44.4		110		60-135			
cis-1,2-Dichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	44.4		110		60-135			
trans-1,2-Dichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	44.4		110		55-135			
trans-1,2-Dichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	44.4		110		55-135			
1,2-Dichloropropane	10H0882		40.4	ug/kg wet	N/A	10.1	42.4		105		55-130			
1,2-Dichloropropane	10H0882		40.4	ug/kg wet	N/A	10.1	42.4		105		55-130			
1,3-Dichloropropane	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		55-140			
1,3-Dichloropropane	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		55-140			
2,2-Dichloropropane	10H0882		40.4	ug/kg wet	N/A	40.4	42.7		106		40-135			CIN
2,2-Dichloropropane	10H0882		40.4	ug/kg wet	N/A	40.4	42.7		106		40-135			CIN
1,1-Dichloropropene	10H0882		40.4	ug/kg wet	N/A	10.1	45.7		113		55-130			
1,1-Dichloropropene	10H0882		40.4	ug/kg wet	N/A	10.1	45.7		113		55-130			
cis-1,3-Dichloropropene	10H0882		40.4	ug/kg wet	N/A	10.1	35.3		87		50-115			
cis-1,3-Dichloropropene	10H0882		40.4	ug/kg wet	N/A	10.1	35.3		87		50-115			
trans-1,3-Dichloropropene	10H0882		40.4	ug/kg wet	N/A	10.1	37.6		93		55-130			
trans-1,3-Dichloropropene	10H0882		40.4	ug/kg wet	N/A	10.1	37.6		93		55-130			
Ethylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	42.3		105		60-125			
Ethylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	42.3		105		60-125			
Hexachlorobutadiene	10H0882		40.4	ug/kg wet	N/A	50.5	41.4		103		40-135			
Hexachlorobutadiene	10H0882		40.4	ug/kg wet	N/A	50.5	41.4		103		40-135			
Hexane	10H0882		40.4	ug/kg wet	N/A	50.5	40.2		99		45-140			
Hexane	10H0882		40.4	ug/kg wet	N/A	50.5	40.2		99		45-140			
Isopropylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	42.8		106		60-125			
Isopropylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	42.8		106		60-125			
p-Isopropyltoluene	10H0882		40.4	ug/kg wet	N/A	10.1	39.3		97		60-120			
p-Isopropyltoluene	10H0882		40.4	ug/kg wet	N/A	10.1	39.3		97		60-120			
Methylene Chloride	10H0882		40.4	ug/kg wet	N/A	101	40.9		101		55-145			
Methylene Chloride	10H0882		40.4	ug/kg wet	N/A	101	40.9		101		55-145			
Methyl tert-Butyl Ether	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		55-130			
Methyl tert-Butyl Ether	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		55-130			
Naphthalene	10H0882		40.4	ug/kg wet	N/A	50.5	34.8		86		50-130			
Naphthalene	10H0882		40.4	ug/kg wet	N/A	50.5	34.8		86		50-130			
n-Propylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		50-125			
n-Propylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.5		103		50-125			
Styrene	10H0882		40.4	ug/kg wet	N/A	10.1	39.2		97		60-125			
Styrene	10H0882		40.4	ug/kg wet	N/A	10.1	39.2		97		60-125			
1,1,1,2-Tetrachloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	41.6		103		65-125			
1,1,1,2-Tetrachloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	41.6		103		65-125			
1,1,2,2-Tetrachloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	40.7		101		60-125			

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Received: 08/18/10
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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,1,2,2-Tetrachloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	40.7		101		60-125			
Tetrachloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	42.5		105		55-125			
Tetrachloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	42.5		105		55-125			
Toluene	10H0882		40.4	ug/kg wet	N/A	10.1	42.0		104		60-130			
Toluene	10H0882		40.4	ug/kg wet	N/A	10.1	42.0		104		60-130			
1,2,3-Trichlorobenzene	10H0882		40.4	ug/kg wet	N/A	50.5	37.2		92		50-130			
1,2,3-Trichlorobenzene	10H0882		40.4	ug/kg wet	N/A	50.5	37.2		92		50-130			
1,2,4-Trichlorobenzene	10H0882		40.4	ug/kg wet	N/A	50.5	33.1		82		45-135			
1,2,4-Trichlorobenzene	10H0882		40.4	ug/kg wet	N/A	50.5	33.1		82		45-135			
1,1,1-Trichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	43.8		108		60-125			
1,1,1-Trichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	43.8		108		60-125			
1,1,2-Trichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	41.2		102		55-135			
1,1,2-Trichloroethane	10H0882		40.4	ug/kg wet	N/A	10.1	41.2		102		55-135			
Trichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	43.6		108		60-130			
Trichloroethene	10H0882		40.4	ug/kg wet	N/A	10.1	43.6		108		60-130			
Trichlorofluoromethane	10H0882		40.4	ug/kg wet	N/A	40.4	43.2		107		50-145			
Trichlorofluoromethane	10H0882		40.4	ug/kg wet	N/A	40.4	43.2		107		50-145			
1,2,3-Trichloropropane	10H0882		40.4	ug/kg wet	N/A	10.1	42.6		105		50-145			
1,2,3-Trichloropropane	10H0882		40.4	ug/kg wet	N/A	10.1	42.6		105		50-145			
1,2,4-Trimethylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	40.3		100		55-125			
1,2,4-Trimethylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	40.3		100		55-125			
1,3,5-Trimethylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.9		104		50-130			
1,3,5-Trimethylbenzene	10H0882		40.4	ug/kg wet	N/A	10.1	41.9		104		50-130			
Vinyl chloride	10H0882		40.4	ug/kg wet	N/A	30.3	41.2		102		45-140			
Vinyl chloride	10H0882		40.4	ug/kg wet	N/A	30.3	41.2		102		45-140			
Xylenes, total	10H0882		121	ug/kg wet	N/A	30.3	128		106		50-130			
Xylenes, total	10H0882		121	ug/kg wet	N/A	30.3	128		106		50-130			
Surrogate: Dibromofluoromethane	*10H0882*			ug/L					*100*		*75-125*			
Surrogate: Dibromofluoromethane	*10H0882*			ug/L					*100*		*75-125*			
Surrogate: Toluene-d8	*10H0882*			ug/L					*100*		*80-120*			
Surrogate: Toluene-d8	*10H0882*			ug/L					*100*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0882*			ug/L					*102*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0882*			ug/L					*102*		*80-120*			
Acetone	10H0931		39.0	ug/kg wet	N/A	97.4	50.4	59.0	129	145	65-150	16	40	
Acetone	10H0931		39.0	ug/kg wet	N/A	97.4	50.4	59.0	129	145	65-150	16	40	
Acrylonitrile	10H0931		39.0	ug/kg wet	N/A	97.4	37.4	39.4	96	97	45-140	5	35	
Acrylonitrile	10H0931		39.0	ug/kg wet	N/A	97.4	37.4	39.4	96	97	45-140	5	35	
Benzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.4	35.3	86	87	55-135	5	25	
Benzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.4	35.3	86	87	55-135	5	25	
Bromobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.2	37.0	85	91	65-125	11	35	
Bromobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.2	37.0	85	91	65-125	11	35	
Bromochloromethane	10H0931		39.0	ug/kg wet	N/A	9.74	37.1	39.7	95	98	65-130	7	35	
Bromochloromethane	10H0931		39.0	ug/kg wet	N/A	9.74	37.1	39.7	95	98	65-130	7	35	
Bromodichloromethane	10H0931		39.0	ug/kg wet	N/A	9.74	34.7	36.9	89	91	65-130	6	30	
Bromodichloromethane	10H0931		39.0	ug/kg wet	N/A	9.74	34.7	36.9	89	91	65-130	6	30	
Bromoform	10H0931		39.0	ug/kg wet	N/A	19.5	34.2	38.7	88	95	50-135	12	40	
Bromoform	10H0931		39.0	ug/kg wet	N/A	19.5	34.2	38.7	88	95	50-135	12	40	

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
Bromomethane	10H0931		39.0	ug/kg wet	N/A	39.0	28.2	30.0	72	74	45-135	6	40	
Bromomethane	10H0931		39.0	ug/kg wet	N/A	39.0	28.2	30.0	72	74	45-135	6	40	
2-Butanone (MEK)	10H0931		39.0	ug/kg wet	N/A	97.4	54.8	59.3	141	146	50-145	8	40	L
2-Butanone (MEK)	10H0931		39.0	ug/kg wet	N/A	97.4	54.8	59.3	141	146	50-145	8	40	L
n-Butylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.2	37.3	88	92	55-130	9	30	
n-Butylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.2	37.3	88	92	55-130	9	30	
sec-Butylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.1	34.0	85	84	60-125	3	30	
sec-Butylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.1	34.0	85	84	60-125	3	30	
tert-Butylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	30.3	33.5	78	83	55-125	10	25	
tert-Butylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	30.3	33.5	78	83	55-125	10	25	
Carbon disulfide	10H0931		39.0	ug/kg wet	N/A	9.74	27.7	29.4	71	73	40-135	6	40	
Carbon disulfide	10H0931		39.0	ug/kg wet	N/A	9.74	27.7	29.4	71	73	40-135	6	40	
Carbon Tetrachloride	10H0931		39.0	ug/kg wet	N/A	9.74	32.5	33.6	83	83	55-130	3	30	
Carbon Tetrachloride	10H0931		39.0	ug/kg wet	N/A	9.74	32.5	33.6	83	83	55-130	3	30	
Chlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.2	35.4	85	87	60-120	7	30	
Chlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.2	35.4	85	87	60-120	7	30	
Chlorodibromomethane	10H0931		39.0	ug/kg wet	N/A	9.74	34.5	36.7	89	91	55-130	6	40	
Chlorodibromomethane	10H0931		39.0	ug/kg wet	N/A	9.74	34.5	36.7	89	91	55-130	6	40	
Chloroethane	10H0931		39.0	ug/kg wet	N/A	39.0	31.8	33.3	82	82	50-145	5	40	
Chloroethane	10H0931		39.0	ug/kg wet	N/A	39.0	31.8	33.3	82	82	50-145	5	40	
Chloroform	10H0931		39.0	ug/kg wet	N/A	9.74	32.7	34.2	84	84	65-130	5	30	
Chloroform	10H0931		39.0	ug/kg wet	N/A	9.74	32.7	34.2	84	84	65-130	5	30	
Chloromethane	10H0931		39.0	ug/kg wet	N/A	39.0	25.8	27.3	66	67	40-135	5	40	
Chloromethane	10H0931		39.0	ug/kg wet	N/A	39.0	25.8	27.3	66	67	40-135	5	40	
2-Chlorotoluene	10H0931		39.0	ug/kg wet	N/A	9.74	32.9	36.5	84	90	60-125	10	35	
2-Chlorotoluene	10H0931		39.0	ug/kg wet	N/A	9.74	32.9	36.5	84	90	60-125	10	35	
4-Chlorotoluene	10H0931		39.0	ug/kg wet	N/A	9.74	33.4	36.7	86	91	60-125	10	35	
4-Chlorotoluene	10H0931		39.0	ug/kg wet	N/A	9.74	33.4	36.7	86	91	60-125	10	35	
1,2-Dibromo-3-chloropropane	10H0931		39.0	ug/kg wet	N/A	97.4	40.6	44.4	104	110	50-140	9	35	
1,2-Dibromo-3-chloropropane	10H0931		39.0	ug/kg wet	N/A	97.4	40.6	44.4	104	110	50-140	9	35	
1,2-Dibromoethane (EDB)	10H0931		39.0	ug/kg wet	N/A	97.4	33.2	36.9	85	91	55-140	11	30	
1,2-Dibromoethane (EDB)	10H0931		39.0	ug/kg wet	N/A	97.4	33.2	36.9	85	91	55-140	11	30	
Dibromomethane	10H0931		39.0	ug/kg wet	N/A	9.74	37.5	39.5	96	97	65-135	5	30	
Dibromomethane	10H0931		39.0	ug/kg wet	N/A	9.74	37.5	39.5	96	97	65-135	5	30	
1,2-Dichlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.5	36.1	86	89	65-120	8	30	
1,2-Dichlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.5	36.1	86	89	65-120	8	30	
1,3-Dichlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.4	35.6	88	88	60-125	4	30	
1,3-Dichlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.4	35.6	88	88	60-125	4	30	
1,4-Dichlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.6	35.9	89	89	60-125	4	30	
1,4-Dichlorobenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.6	35.9	89	89	60-125	4	30	
Dichlorodifluoromethane	10H0931		39.0	ug/kg wet	N/A	29.2	30.4	31.3	78	77	40-135	3	35	
Dichlorodifluoromethane	10H0931		39.0	ug/kg wet	N/A	29.2	30.4	31.3	78	77	40-135	3	35	
1,1-Dichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	33.4	33.8	86	83	55-135	1	40	
1,1-Dichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	33.4	33.8	86	83	55-135	1	40	
1,2-Dichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	35.8	36.6	92	90	60-140	2	30	
1,2-Dichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	35.8	36.6	92	90	60-140	2	30	
1,1-Dichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	31.2	33.2	80	82	50-145	6	40	

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,1-Dichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	31.2	33.2	80	82	50-145	6	40	
cis-1,2-Dichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	35.6	36.3	91	90	60-135	2	40	
cis-1,2-Dichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	35.6	36.3	91	90	60-135	2	40	
trans-1,2-Dichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	35.1	36.6	90	90	55-135	4	40	
trans-1,2-Dichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	35.1	36.6	90	90	55-135	4	40	
1,2-Dichloropropane	10H0931		39.0	ug/kg wet	N/A	9.74	33.2	35.4	85	87	55-130	6	30	
1,2-Dichloropropane	10H0931		39.0	ug/kg wet	N/A	9.74	33.2	35.4	85	87	55-130	6	30	
1,3-Dichloropropane	10H0931		39.0	ug/kg wet	N/A	9.74	35.4	37.5	91	92	55-140	6	30	
1,3-Dichloropropane	10H0931		39.0	ug/kg wet	N/A	9.74	35.4	37.5	91	92	55-140	6	30	
2,2-Dichloropropane	10H0931		39.0	ug/kg wet	N/A	39.0	33.3	31.3	85	77	40-135	6	45	CIN
2,2-Dichloropropane	10H0931		39.0	ug/kg wet	N/A	39.0	33.3	31.3	85	77	40-135	6	45	CIN
1,1-Dichloropropene	10H0931		39.0	ug/kg wet	N/A	9.74	33.9	35.3	87	87	55-130	4	30	
1,1-Dichloropropene	10H0931		39.0	ug/kg wet	N/A	9.74	33.9	35.3	87	87	55-130	4	30	
cis-1,3-Dichloropropene	10H0931		39.0	ug/kg wet	N/A	9.74	30.6	32.0	79	79	50-115	4	35	
cis-1,3-Dichloropropene	10H0931		39.0	ug/kg wet	N/A	9.74	30.6	32.0	79	79	50-115	4	35	
trans-1,3-Dichloropropene	10H0931		39.0	ug/kg wet	N/A	9.74	34.4	37.6	88	93	55-130	9	30	
trans-1,3-Dichloropropene	10H0931		39.0	ug/kg wet	N/A	9.74	34.4	37.6	88	93	55-130	9	30	
Ethylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.3	36.5	88	90	60-125	6	30	
Ethylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.3	36.5	88	90	60-125	6	30	
Hexachlorobutadiene	10H0931		39.0	ug/kg wet	N/A	48.7	39.6	41.6	102	103	40-135	5	35	
Hexachlorobutadiene	10H0931		39.0	ug/kg wet	N/A	48.7	39.6	41.6	102	103	40-135	5	35	
Hexane	10H0931		39.0	ug/kg wet	N/A	48.7	31.1	32.2	80	79	45-140	3	35	
Hexane	10H0931		39.0	ug/kg wet	N/A	48.7	31.1	32.2	80	79	45-140	3	35	
Isopropylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	32.5	35.4	83	87	60-125	9	35	
Isopropylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	32.5	35.4	83	87	60-125	9	35	
p-Isopropyltoluene	10H0931		39.0	ug/kg wet	N/A	9.74	33.6	35.8	86	88	60-120	6	30	
p-Isopropyltoluene	10H0931		39.0	ug/kg wet	N/A	9.74	33.6	35.8	86	88	60-120	6	30	
Methylene Chloride	10H0931		39.0	ug/kg wet	N/A	97.4	34.1	35.4	88	87	55-145	4	40	
Methylene Chloride	10H0931		39.0	ug/kg wet	N/A	97.4	34.1	35.4	88	87	55-145	4	40	
Methyl tert-Butyl Ether	10H0931		39.0	ug/kg wet	N/A	9.74	38.1	40.1	98	99	55-130	5	30	
Methyl tert-Butyl Ether	10H0931		39.0	ug/kg wet	N/A	9.74	38.1	40.1	98	99	55-130	5	30	
Naphthalene	10H0931		39.0	ug/kg wet	N/A	48.7	42.2	45.1	108	111	50-130	7	30	
Naphthalene	10H0931		39.0	ug/kg wet	N/A	48.7	42.2	45.1	108	111	50-130	7	30	
n-Propylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	32.7	35.0	84	86	50-125	7	35	
n-Propylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	32.7	35.0	84	86	50-125	7	35	
Styrene	10H0931		39.0	ug/kg wet	N/A	9.74	31.9	33.7	82	83	60-125	5	35	
Styrene	10H0931		39.0	ug/kg wet	N/A	9.74	31.9	33.7	82	83	60-125	5	35	
1,1,1,2-Tetrachloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	32.3	33.9	83	84	65-125	5	30	
1,1,1,2-Tetrachloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	32.3	33.9	83	84	65-125	5	30	
1,1,2,2-Tetrachloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	36.4	40.6	93	100	60-125	11	35	
1,1,2,2-Tetrachloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	36.4	40.6	93	100	60-125	11	35	
Tetrachloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	33.7	36.0	86	89	55-125	7	40	
Tetrachloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	33.7	36.0	86	89	55-125	7	40	
Toluene	10H0931		39.0	ug/kg wet	N/A	9.74	35.2	36.6	90	90	60-130	4	35	
Toluene	10H0931		39.0	ug/kg wet	N/A	9.74	35.2	36.6	90	90	60-130	4	35	
1,2,3-Trichlorobenzene	10H0931		39.0	ug/kg wet	N/A	48.7	41.4	44.5	106	110	50-130	7	35	
1,2,3-Trichlorobenzene	10H0931		39.0	ug/kg wet	N/A	48.7	41.4	44.5	106	110	50-130	7	35	

TERRACON - CEDAR RAPIDS
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Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,2,4-Trichlorobenzene	10H0931		39.0	ug/kg wet	N/A	48.7	41.3	42.7	106	105	45-135	3	35	
1,2,4-Trichlorobenzene	10H0931		39.0	ug/kg wet	N/A	48.7	41.3	42.7	106	105	45-135	3	35	
1,1,1-Trichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	32.3	34.2	83	84	60-125	6	30	
1,1,1-Trichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	32.3	34.2	83	84	60-125	6	30	
1,1,2-Trichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	35.4	37.0	91	91	55-135	4	30	
1,1,2-Trichloroethane	10H0931		39.0	ug/kg wet	N/A	9.74	35.4	37.0	91	91	55-135	4	30	
Trichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	32.6	35.2	84	87	60-130	8	30	
Trichloroethene	10H0931		39.0	ug/kg wet	N/A	9.74	32.6	35.2	84	87	60-130	8	30	
Trichlorofluoromethane	10H0931		39.0	ug/kg wet	N/A	39.0	32.3	34.7	83	86	50-145	7	40	
Trichlorofluoromethane	10H0931		39.0	ug/kg wet	N/A	39.0	32.3	34.7	83	86	50-145	7	40	
1,2,3-Trichloropropane	10H0931		39.0	ug/kg wet	N/A	9.74	39.1	42.7	100	105	50-145	9	35	
1,2,3-Trichloropropane	10H0931		39.0	ug/kg wet	N/A	9.74	39.1	42.7	100	105	50-145	9	35	
1,2,4-Trimethylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.0	37.6	87	93	55-125	10	35	
1,2,4-Trimethylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	34.0	37.6	87	93	55-125	10	35	
1,3,5-Trimethylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.1	37.0	85	91	50-130	11	35	
1,3,5-Trimethylbenzene	10H0931		39.0	ug/kg wet	N/A	9.74	33.1	37.0	85	91	50-130	11	35	
Vinyl chloride	10H0931		39.0	ug/kg wet	N/A	29.2	32.1	32.0	82	79	45-140	0	40	
Vinyl chloride	10H0931		39.0	ug/kg wet	N/A	29.2	32.1	32.0	82	79	45-140	0	40	
Xylenes, total	10H0931		117	ug/kg wet	N/A	29.2	105	111	90	91	50-130	5	30	
Xylenes, total	10H0931		117	ug/kg wet	N/A	29.2	105	111	90	91	50-130	5	30	
Surrogate: Dibromofluoromethane	*10H0931*			ug/L					*100*	*99*	*75-125*			
Surrogate: Dibromofluoromethane	*10H0931*			ug/L					*100*	*99*	*75-125*			
Surrogate: Toluene-d8	*10H0931*			ug/L					*96*	*96*	*80-120*			
Surrogate: Toluene-d8	*10H0931*			ug/L					*96*	*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0931*			ug/L					*97*	*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0931*			ug/L					*97*	*103*	*80-120*			
Acetone	10H1235		20.0	ug/L	N/A	N/A	30.1		150		60-150			
Acetone	10H1235		20.0	ug/L	N/A	N/A	30.1		150		60-150			
Acrylonitrile	10H1235		20.0	ug/L	N/A	N/A	19.4		97		50-145			
Acrylonitrile	10H1235		20.0	ug/L	N/A	N/A	19.4		97		50-145			
Benzene	10H1235		20.0	ug/L	N/A	N/A	20.8		104		70-130			
Benzene	10H1235		20.0	ug/L	N/A	N/A	20.8		104		70-130			
Bromobenzene	10H1235		20.0	ug/L	N/A	N/A	21.9		109		75-130			
Bromobenzene	10H1235		20.0	ug/L	N/A	N/A	21.9		109		75-130			
Bromochloromethane	10H1235		20.0	ug/L	N/A	N/A	21.8		109		65-145			
Bromochloromethane	10H1235		20.0	ug/L	N/A	N/A	21.8		109		65-145			
Bromodichloromethane	10H1235		20.0	ug/L	N/A	N/A	20.9		104		60-130			C9,CIN
Bromodichloromethane	10H1235		20.0	ug/L	N/A	N/A	20.9		104		60-130			C9,CIN
Bromoform	10H1235		20.0	ug/L	N/A	N/A	21.0		105		30-125			C9,CIN
Bromoform	10H1235		20.0	ug/L	N/A	N/A	21.0		105		30-125			C9,CIN
Bromomethane	10H1235		20.0	ug/L	N/A	N/A	15.4		77		35-130			
Bromomethane	10H1235		20.0	ug/L	N/A	N/A	15.4		77		35-130			
2-Butanone (MEK)	10H1235		20.0	ug/L	N/A	N/A	26.7		133		55-140			
2-Butanone (MEK)	10H1235		20.0	ug/L	N/A	N/A	26.7		133		55-140			
n-Butylbenzene	10H1235		20.0	ug/L	N/A	N/A	19.6		98		55-135			
n-Butylbenzene	10H1235		20.0	ug/L	N/A	N/A	19.6		98		55-135			
sec-Butylbenzene	10H1235		20.0	ug/L	N/A	N/A	18.8		94		65-135			

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
sec-Butylbenzene	10H1235		20.0	ug/L	N/A	N/A	18.8		94		65-135			
tert-Butylbenzene	10H1235		20.0	ug/L	N/A	N/A	18.4		92		60-135			
tert-Butylbenzene	10H1235		20.0	ug/L	N/A	N/A	18.4		92		60-135			
Carbon disulfide	10H1235		20.0	ug/L	N/A	N/A	16.9		85		40-130			
Carbon disulfide	10H1235		20.0	ug/L	N/A	N/A	16.9		85		40-130			
Carbon Tetrachloride	10H1235		20.0	ug/L	N/A	N/A	20.1		100		55-130			
Carbon Tetrachloride	10H1235		20.0	ug/L	N/A	N/A	20.1		100		55-130			
Chlorobenzene	10H1235		20.0	ug/L	N/A	N/A	20.1		100		75-125			
Chlorobenzene	10H1235		20.0	ug/L	N/A	N/A	20.1		100		75-125			
Chlorodibromomethane	10H1235		20.0	ug/L	N/A	N/A	16.9		85		45-125			CIN
Chlorodibromomethane	10H1235		20.0	ug/L	N/A	N/A	16.9		85		45-125			CIN
Chloroethane	10H1235		20.0	ug/L	N/A	N/A	18.9		94		55-135			
Chloroethane	10H1235		20.0	ug/L	N/A	N/A	18.9		94		55-135			
Chloroform	10H1235		20.0	ug/L	N/A	N/A	18.4		92		70-125			
Chloroform	10H1235		20.0	ug/L	N/A	N/A	18.4		92		70-125			
Chloromethane	10H1235		20.0	ug/L	N/A	N/A	13.2		66		30-125			
Chloromethane	10H1235		20.0	ug/L	N/A	N/A	13.2		66		30-125			
2-Chlorotoluene	10H1235		20.0	ug/L	N/A	N/A	23.0		115		75-135			
2-Chlorotoluene	10H1235		20.0	ug/L	N/A	N/A	23.0		115		75-135			
4-Chlorotoluene	10H1235		20.0	ug/L	N/A	N/A	23.0		115		70-140			
4-Chlorotoluene	10H1235		20.0	ug/L	N/A	N/A	23.0		115		70-140			
1,2-Dibromo-3-chloropropane	10H1235		20.0	ug/L	N/A	N/A	29.1		146		35-130			L1
1,2-Dibromo-3-chloropropane	10H1235		20.0	ug/L	N/A	N/A	29.1		146		35-130			L1
1,2-Dibromoethane (EDB)	10H1235		20.0	ug/L	N/A	N/A	21.0		105		70-135			
1,2-Dibromoethane (EDB)	10H1235		20.0	ug/L	N/A	N/A	21.0		105		70-135			
Dibromomethane	10H1235		20.0	ug/L	N/A	N/A	20.6		103		75-130			
Dibromomethane	10H1235		20.0	ug/L	N/A	N/A	20.6		103		75-130			
1,2-Dichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	20.5		103		65-135			
1,2-Dichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	20.5		103		65-135			
1,3-Dichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	20.2		101		70-130			
1,3-Dichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	20.2		101		70-130			
1,4-Dichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	19.5		98		60-140			
1,4-Dichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	19.5		98		60-140			
Dichlorodifluoromethane	10H1235		20.0	ug/L	N/A	N/A	10.8		54		35-130			
Dichlorodifluoromethane	10H1235		20.0	ug/L	N/A	N/A	10.8		54		35-130			
1,1-Dichloroethane	10H1235		20.0	ug/L	N/A	N/A	18.8		94		60-130			
1,1-Dichloroethane	10H1235		20.0	ug/L	N/A	N/A	18.8		94		60-130			
1,2-Dichloroethane	10H1235		20.0	ug/L	N/A	N/A	20.0		100		65-140			
1,2-Dichloroethane	10H1235		20.0	ug/L	N/A	N/A	20.0		100		65-140			
1,1-Dichloroethene	10H1235		20.0	ug/L	N/A	N/A	17.2		86		60-135			
1,1-Dichloroethene	10H1235		20.0	ug/L	N/A	N/A	17.2		86		60-135			
cis-1,2-Dichloroethene	10H1235		20.0	ug/L	N/A	N/A	19.2		96		70-135			
cis-1,2-Dichloroethene	10H1235		20.0	ug/L	N/A	N/A	19.2		96		70-135			
trans-1,2-Dichloroethene	10H1235		20.0	ug/L	N/A	N/A	18.4		92		60-145			
trans-1,2-Dichloroethene	10H1235		20.0	ug/L	N/A	N/A	18.4		92		60-145			
1,2-Dichloropropane	10H1235		20.0	ug/L	N/A	N/A	20.8		104		65-130			
1,2-Dichloropropane	10H1235		20.0	ug/L	N/A	N/A	20.8		104		65-130			

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
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Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,3-Dichloropropane	10H1235		20.0	ug/L	N/A	N/A	20.6		103		75-125			
1,3-Dichloropropane	10H1235		20.0	ug/L	N/A	N/A	20.6		103		75-125			
2,2-Dichloropropane	10H1235		20.0	ug/L	N/A	N/A	21.6		108		25-120			
2,2-Dichloropropane	10H1235		20.0	ug/L	N/A	N/A	21.6		108		25-120			
1,1-Dichloropropene	10H1235		20.0	ug/L	N/A	N/A	19.5		98		60-140			
1,1-Dichloropropene	10H1235		20.0	ug/L	N/A	N/A	19.5		98		60-140			
cis-1,3-Dichloropropene	10H1235		20.0	ug/L	N/A	N/A	17.1		86		30-120			CIN
cis-1,3-Dichloropropene	10H1235		20.0	ug/L	N/A	N/A	17.1		86		30-120			CIN
trans-1,3-Dichloropropene	10H1235		20.0	ug/L	N/A	N/A	16.1		81		35-120			CIN
trans-1,3-Dichloropropene	10H1235		20.0	ug/L	N/A	N/A	16.1		81		35-120			CIN
Ethylbenzene	10H1235		20.0	ug/L	N/A	N/A	20.4		102		70-130			
Ethylbenzene	10H1235		20.0	ug/L	N/A	N/A	20.4		102		70-130			
Hexachlorobutadiene	10H1235		20.0	ug/L	N/A	N/A	21.0		105		60-135			
Hexachlorobutadiene	10H1235		20.0	ug/L	N/A	N/A	21.0		105		60-135			
Hexane	10H1235		20.0	ug/L	N/A	N/A	19.0		95		40-135			
Hexane	10H1235		20.0	ug/L	N/A	N/A	19.0		95		40-135			
Isopropylbenzene	10H1235		20.0	ug/L	N/A	N/A	18.8		94		70-125			
Isopropylbenzene	10H1235		20.0	ug/L	N/A	N/A	18.8		94		70-125			
p-Isopropyltoluene	10H1235		20.0	ug/L	N/A	N/A	19.3		97		60-140			
p-Isopropyltoluene	10H1235		20.0	ug/L	N/A	N/A	19.3		97		60-140			
4-Methyl-2-pentanone (MIBK)	10H1235		20.0	ug/L	N/A	N/A	24.4		122		40-135			
4-Methyl-2-pentanone (MIBK)	10H1235		20.0	ug/L	N/A	N/A	24.4		122		40-135			
Methylene Chloride	10H1235		20.0	ug/L	N/A	N/A	17.1		86		55-145			
Methylene Chloride	10H1235		20.0	ug/L	N/A	N/A	17.1		86		55-145			
Methyl tert-Butyl Ether	10H1235		20.0	ug/L	N/A	N/A	20.9		105		50-135			
Methyl tert-Butyl Ether	10H1235		20.0	ug/L	N/A	N/A	20.9		105		50-135			
Naphthalene	10H1235		20.0	ug/L	N/A	N/A	22.7		113		40-135			
Naphthalene	10H1235		20.0	ug/L	N/A	N/A	22.7		113		40-135			
n-Propylbenzene	10H1235		20.0	ug/L	N/A	N/A	22.8		114		70-135			
n-Propylbenzene	10H1235		20.0	ug/L	N/A	N/A	22.8		114		70-135			
Styrene	10H1235		20.0	ug/L	N/A	N/A	20.6		103		70-130			
Styrene	10H1235		20.0	ug/L	N/A	N/A	20.6		103		70-130			
1,1,1,2-Tetrachloroethane	10H1235		20.0	ug/L	N/A	N/A	19.4		97		65-120			CIN
1,1,1,2-Tetrachloroethane	10H1235		20.0	ug/L	N/A	N/A	19.4		97		65-120			CIN
1,1,2,2-Tetrachloroethane	10H1235		20.0	ug/L	N/A	N/A	25.8		129		65-130			
1,1,2,2-Tetrachloroethane	10H1235		20.0	ug/L	N/A	N/A	25.8		129		65-130			
Tetrachloroethene	10H1235		20.0	ug/L	N/A	N/A	20.8		104		70-135			
Tetrachloroethene	10H1235		20.0	ug/L	N/A	N/A	20.8		104		70-135			
Toluene	10H1235		20.0	ug/L	N/A	N/A	20.3		102		70-135			
Toluene	10H1235		20.0	ug/L	N/A	N/A	20.3		102		70-135			
1,2,3-Trichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	21.4		107		55-130			
1,2,3-Trichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	21.4		107		55-130			
1,2,4-Trichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	19.0		95		40-135			
1,2,4-Trichlorobenzene	10H1235		20.0	ug/L	N/A	N/A	19.0		95		40-135			
1,1,1-Trichloroethane	10H1235		20.0	ug/L	N/A	N/A	21.2		106		60-125			CIN
1,1,1-Trichloroethane	10H1235		20.0	ug/L	N/A	N/A	21.2		106		60-125			CIN
1,1,2-Trichloroethane	10H1235		20.0	ug/L	N/A	N/A	19.9		99		75-125			

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Received: 08/18/10
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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
1,1,2-Trichloroethane	10H1235		20.0	ug/L	N/A	N/A	19.9		99		75-125			
Trichloroethene	10H1235		20.0	ug/L	N/A	N/A	21.1		106		70-130			
Trichloroethene	10H1235		20.0	ug/L	N/A	N/A	21.1		106		70-130			
Trichlorofluoromethane	10H1235		20.0	ug/L	N/A	N/A	18.5		93		55-145			
Trichlorofluoromethane	10H1235		20.0	ug/L	N/A	N/A	18.5		93		55-145			
1,2,3-Trichloropropane	10H1235		20.0	ug/L	N/A	N/A	25.6		128		60-150			
1,2,3-Trichloropropane	10H1235		20.0	ug/L	N/A	N/A	25.6		128		60-150			
1,2,4-Trimethylbenzene	10H1235		20.0	ug/L	N/A	N/A	23.6		118		70-140			
1,2,4-Trimethylbenzene	10H1235		20.0	ug/L	N/A	N/A	23.6		118		70-140			
1,3,5-Trimethylbenzene	10H1235		20.0	ug/L	N/A	N/A	23.4		117		70-140			
1,3,5-Trimethylbenzene	10H1235		20.0	ug/L	N/A	N/A	23.4		117		70-140			
Vinyl chloride	10H1235		20.0	ug/L	N/A	N/A	17.1		85		45-135			
Vinyl chloride	10H1235		20.0	ug/L	N/A	N/A	17.1		85		45-135			
Xylenes, total	10H1235		60.0	ug/L	N/A	N/A	65.4		109		70-130			
Xylenes, total	10H1235		60.0	ug/L	N/A	N/A	65.4		109		70-130			
Surrogate: Dibromofluoromethane	*10H1235*			ug/L					*97*		*75-120*			
Surrogate: Dibromofluoromethane	*10H1235*			ug/L					*97*		*75-120*			
Surrogate: Toluene-d8	*10H1235*			ug/L					*96*		*80-120*			
Surrogate: Toluene-d8	*10H1235*			ug/L					*96*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H1235*			ug/L					*112*		*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H1235*			ug/L					*112*		*80-120*			
Semivolatile Organics by GC/MS														
Acenaphthene	10H0721		100	ug/L	0.300	10.0	73.2	68.3	73	68	40-105	7	35	
Acenaphthene	10H0721		100	ug/L	0.300	10.0	73.2	68.3	73	68	40-105	7	35	
Acenaphthylene	10H0721		100	ug/L	0.210	10.0	75.5	71.0	75	71	40-105	6	35	
Acenaphthylene	10H0721		100	ug/L	0.210	10.0	75.5	71.0	75	71	40-105	6	35	
Anthracene	10H0721		100	ug/L	0.170	10.0	117	109	117	109	30-100	7	35	L
Anthracene	10H0721		100	ug/L	0.170	10.0	117	109	117	109	30-100	7	35	L
Benzidine	10H0721		100	ug/L	0.470	100	55.6	10.9	56	11	10-105	135	35	J,R7
Benzidine	10H0721		100	ug/L	0.470	100	55.6	10.9	56	11	10-105	135	35	J,R7
Benzo (a) anthracene	10H0721		100	ug/L	0.240	10.0	84.5	80.7	85	81	50-120	5	35	
Benzo (a) anthracene	10H0721		100	ug/L	0.240	10.0	84.5	80.7	85	81	50-120	5	35	
Benzo (b) fluoranthene	10H0721		100	ug/L	0.310	10.0	82.1	74.5	82	75	45-120	10	35	
Benzo (b) fluoranthene	10H0721		100	ug/L	0.310	10.0	82.1	74.5	82	75	45-120	10	35	
Benzo (k) fluoranthene	10H0721		100	ug/L	0.200	10.0	81.8	76.2	82	76	45-120	7	35	
Benzo (k) fluoranthene	10H0721		100	ug/L	0.200	10.0	81.8	76.2	82	76	45-120	7	35	
Benzo (a) pyrene	10H0721		100	ug/L	0.250	10.0	86.1	79.7	86	80	45-135	8	35	
Benzo (a) pyrene	10H0721		100	ug/L	0.250	10.0	86.1	79.7	86	80	45-135	8	35	
Benzo (g,h,i) perylene	10H0721		100	ug/L	0.230	10.0	85.2	77.9	85	78	50-120	9	35	
Benzo (g,h,i) perylene	10H0721		100	ug/L	0.230	10.0	85.2	77.9	85	78	50-120	9	35	
Benzyl alcohol	10H0721		100	ug/L	0.180	10.0	60.6	59.9	61	60	30-95	1	35	
Benzyl alcohol	10H0721		100	ug/L	0.180	10.0	60.6	59.9	61	60	30-95	1	35	
Butyl benzyl phthalate	10H0721		100	ug/L	0.340	10.0	82.5	79.4	83	79	45-120	4	35	
Butyl benzyl phthalate	10H0721		100	ug/L	0.340	10.0	82.5	79.4	83	79	45-120	4	35	
Bis(2-chloroethyl)ether	10H0721		100	ug/L	0.180	10.0	71.3	68.3	71	68	35-100	4	35	
Bis(2-chloroethyl)ether	10H0721		100	ug/L	0.180	10.0	71.3	68.3	71	68	35-100	4	35	
Bis(2-chloroethoxy)methane	10H0721		100	ug/L	0.260	10.0	70.6	66.9	71	67	30-105	5	35	

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Semivolatile Organics by GC/MS														
Bis(2-chloroethoxy)methane	10H0721		100	ug/L	0.260	10.0	70.6	66.9	71	67	30-105	5	35	
Bis(2-ethylhexyl)phthalate	10H0721		100	ug/L	0.390	10.0	84.4	81.8	84	82	50-120	3	35	
Bis(2-ethylhexyl)phthalate	10H0721		100	ug/L	0.390	10.0	84.4	81.8	84	82	50-120	3	35	
Bis(2-chloroisopropyl) ether	10H0721		100	ug/L	0.180	10.0	67.5	64.3	67	64	35-100	5	35	
Bis(2-chloroisopropyl) ether	10H0721		100	ug/L	0.180	10.0	67.5	64.3	67	64	35-100	5	35	
4-Bromophenyl phenyl ether	10H0721		100	ug/L	0.290	10.0	80.1	73.0	80	73	45-105	9	35	
4-Bromophenyl phenyl ether	10H0721		100	ug/L	0.290	10.0	80.1	73.0	80	73	45-105	9	35	
Carbazole	10H0721		100	ug/L	0.260	10.0	82.6	76.9	83	77	40-125	7	35	
Carbazole	10H0721		100	ug/L	0.260	10.0	82.6	76.9	83	77	40-125	7	35	
4-Chloroaniline	10H0721		100	ug/L	0.140	10.0	63.1	60.3	63	60	20-110	4	35	
4-Chloroaniline	10H0721		100	ug/L	0.140	10.0	63.1	60.3	63	60	20-110	4	35	
2-Chloronaphthalene	10H0721		100	ug/L	0.230	10.0	68.8	64.4	69	64	40-100	6	35	
2-Chloronaphthalene	10H0721		100	ug/L	0.230	10.0	68.8	64.4	69	64	40-100	6	35	
4-Chlorophenyl phenyl ether	10H0721		100	ug/L	0.250	10.0	77.0	72.8	77	73	45-105	6	35	
4-Chlorophenyl phenyl ether	10H0721		100	ug/L	0.250	10.0	77.0	72.8	77	73	45-105	6	35	
Chrysene	10H0721		100	ug/L	0.290	10.0	81.9	79.1	82	79	50-120	3	35	
Chrysene	10H0721		100	ug/L	0.290	10.0	81.9	79.1	82	79	50-120	3	35	
Dibenzo (a,h) anthracene	10H0721		100	ug/L	0.250	10.0	84.4	77.1	84	77	50-120	9	35	
Dibenzo (a,h) anthracene	10H0721		100	ug/L	0.250	10.0	84.4	77.1	84	77	50-120	9	35	
Dibenzofuran	10H0721		100	ug/L	0.240	10.0	75.1	70.2	75	70	45-110	7	35	
Dibenzofuran	10H0721		100	ug/L	0.240	10.0	75.1	70.2	75	70	45-110	7	35	
Di-n-butyl phthalate	10H0721		100	ug/L	0.510	10.0	82.5	77.1	83	77	50-110	7	35	
Di-n-butyl phthalate	10H0721		100	ug/L	0.510	10.0	82.5	77.1	83	77	50-110	7	35	
1,2-Dichlorobenzene	10H0721		100	ug/L	0.230	10.0	55.3	52.9	55	53	30-90	4	35	
1,2-Dichlorobenzene	10H0721		100	ug/L	0.230	10.0	55.3	52.9	55	53	30-90	4	35	
1,3-Dichlorobenzene	10H0721		100	ug/L	0.140	10.0	54.1	49.5	54	50	30-90	9	35	
1,3-Dichlorobenzene	10H0721		100	ug/L	0.140	10.0	54.1	49.5	54	50	30-90	9	35	
1,4-Dichlorobenzene	10H0721		100	ug/L	0.150	10.0	54.5	51.2	54	51	30-90	6	35	
1,4-Dichlorobenzene	10H0721		100	ug/L	0.150	10.0	54.5	51.2	54	51	30-90	6	35	
3,3'-Dichlorobenzidine	10H0721		100	ug/L	0.460	50.0	73.8	69.1	74	69	45-105	7	35	
3,3'-Dichlorobenzidine	10H0721		100	ug/L	0.460	50.0	73.8	69.1	74	69	45-105	7	35	
Diethyl phthalate	10H0721		100	ug/L	0.260	10.0	82.2	77.5	82	77	50-110	6	35	
Diethyl phthalate	10H0721		100	ug/L	0.260	10.0	82.2	77.5	82	77	50-110	6	35	
Dimethyl phthalate	10H0721		100	ug/L	0.230	10.0	81.7	75.8	82	76	50-110	7	35	
Dimethyl phthalate	10H0721		100	ug/L	0.230	10.0	81.7	75.8	82	76	50-110	7	35	
2,4-Dinitrotoluene	10H0721		100	ug/L	0.190	10.0	83.3	78.7	83	79	55-120	6	35	
2,4-Dinitrotoluene	10H0721		100	ug/L	0.190	10.0	83.3	78.7	83	79	55-120	6	35	
2,6-Dinitrotoluene	10H0721		100	ug/L	0.240	10.0	81.3	75.2	81	75	50-120	8	35	
2,6-Dinitrotoluene	10H0721		100	ug/L	0.240	10.0	81.3	75.2	81	75	50-120	8	35	
Di-n-octyl phthalate	10H0721		100	ug/L	0.230	20.0	86.9	82.3	87	82	50-120	5	35	
Di-n-octyl phthalate	10H0721		100	ug/L	0.230	20.0	86.9	82.3	87	82	50-120	5	35	
Fluoranthene	10H0721		100	ug/L	0.330	10.0	81.8	75.2	82	75	50-110	8	35	
Fluoranthene	10H0721		100	ug/L	0.330	10.0	81.8	75.2	82	75	50-110	8	35	
Fluorene	10H0721		100	ug/L	0.290	10.0	80.1	75.2	80	75	50-110	6	35	
Fluorene	10H0721		100	ug/L	0.290	10.0	80.1	75.2	80	75	50-110	6	35	
Hexachlorobenzene	10H0721		100	ug/L	0.270	10.0	82.0	76.7	82	77	50-110	7	35	
Hexachlorobenzene	10H0721		100	ug/L	0.270	10.0	82.0	76.7	82	77	50-110	7	35	

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Hexachlorobutadiene	10H0721		100	ug/L	0.130	10.0	52.0	48.4	52	48	30-90	7	35	
Hexachlorobutadiene	10H0721		100	ug/L	0.130	10.0	52.0	48.4	52	48	30-90	7	35	
Hexachlorocyclopentadiene	10H0721		100	ug/L	1.89	20.0	55.3	52.7	55	53	25-95	5	35	
Hexachlorocyclopentadiene	10H0721		100	ug/L	1.89	20.0	55.3	52.7	55	53	25-95	5	35	
Hexachloroethane	10H0721		100	ug/L	0.130	10.0	49.8	48.4	50	48	25-90	3	35	
Hexachloroethane	10H0721		100	ug/L	0.130	10.0	49.8	48.4	50	48	25-90	3	35	
Indeno (1,2,3-cd) pyrene	10H0721		100	ug/L	0.240	10.0	83.9	77.0	84	77	40-125	9	35	
Indeno (1,2,3-cd) pyrene	10H0721		100	ug/L	0.240	10.0	83.9	77.0	84	77	40-125	9	35	
Isophorone	10H0721		100	ug/L	0.220	10.0	72.6	68.3	73	68	35-95	6	35	
Isophorone	10H0721		100	ug/L	0.220	10.0	72.6	68.3	73	68	35-95	6	35	
2-Methylnaphthalene	10H0721		100	ug/L	0.190	10.0	64.0	60.8	64	61	35-100	5	35	
2-Methylnaphthalene	10H0721		100	ug/L	0.190	10.0	64.0	60.8	64	61	35-100	5	35	
Naphthalene	10H0721		100	ug/L	0.230	10.0	61.6	58.3	62	58	35-100	5	35	
Naphthalene	10H0721		100	ug/L	0.230	10.0	61.6	58.3	62	58	35-100	5	35	
2-Nitroaniline	10H0721		100	ug/L	0.230	10.0	82.1	76.7	82	77	45-125	7	35	
2-Nitroaniline	10H0721		100	ug/L	0.230	10.0	82.1	76.7	82	77	45-125	7	35	
3-Nitroaniline	10H0721		100	ug/L	0.220	10.0	78.7	75.2	79	75	40-125	5	35	
3-Nitroaniline	10H0721		100	ug/L	0.220	10.0	78.7	75.2	79	75	40-125	5	35	
4-Nitroaniline	10H0721		100	ug/L	0.320	10.0	73.8	69.2	74	69	35-130	6	35	
4-Nitroaniline	10H0721		100	ug/L	0.320	10.0	73.8	69.2	74	69	35-130	6	35	
Nitrobenzene	10H0721		100	ug/L	0.220	10.0	68.7	64.6	69	65	35-100	6	35	
Nitrobenzene	10H0721		100	ug/L	0.220	10.0	68.7	64.6	69	65	35-100	6	35	
N-Nitrosodimethylamine	10H0721		100	ug/L	0.140	10.0	47.6	46.6	48	47	20-75	2	35	
N-Nitrosodimethylamine	10H0721		100	ug/L	0.140	10.0	47.6	46.6	48	47	20-75	2	35	
N-Nitrosodiphenylamine	10H0721		100	ug/L	0.660	10.0	76.4	71.6	76	72	30-120	6	35	
N-Nitrosodiphenylamine	10H0721		100	ug/L	0.660	10.0	76.4	71.6	76	72	30-120	6	35	
N-Nitrosodi-n-propylamine	10H0721		100	ug/L	0.260	10.0	69.3	68.8	69	69	35-105	1	35	
N-Nitrosodi-n-propylamine	10H0721		100	ug/L	0.260	10.0	69.3	68.8	69	69	35-105	1	35	
Phenanthrene	10H0721		100	ug/L	0.600	10.0	80.8	76.1	81	76	45-115	6	35	
Phenanthrene	10H0721		100	ug/L	0.600	10.0	80.8	76.1	81	76	45-115	6	35	
Pyrene	10H0721		100	ug/L	0.230	10.0	80.3	79.3	80	79	45-120	1	35	
Pyrene	10H0721		100	ug/L	0.230	10.0	80.3	79.3	80	79	45-120	1	35	
Pyridine	10H0721		100	ug/L	0.210	10.0	43.8	38.9	44	39	10-75	12	35	
Pyridine	10H0721		100	ug/L	0.210	10.0	43.8	38.9	44	39	10-75	12	35	
1,2,4-Trichlorobenzene	10H0721		100	ug/L	0.120	10.0	57.9	53.5	58	53	30-95	8	35	
1,2,4-Trichlorobenzene	10H0721		100	ug/L	0.120	10.0	57.9	53.5	58	53	30-95	8	35	
Benzoic acid	10H0721		100	ug/L	1.01	100	31.5	32.8	32	33	10-60	4	35	J
Benzoic acid	10H0721		100	ug/L	1.01	100	31.5	32.8	32	33	10-60	4	35	J
4-Chloro-3-methylphenol	10H0721		100	ug/L	0.190	10.0	74.7	70.7	75	71	50-105	5	35	
4-Chloro-3-methylphenol	10H0721		100	ug/L	0.190	10.0	74.7	70.7	75	71	50-105	5	35	
2-Chlorophenol	10H0721		100	ug/L	0.150	10.0	67.4	65.1	67	65	35-100	3	35	
2-Chlorophenol	10H0721		100	ug/L	0.150	10.0	67.4	65.1	67	65	35-100	3	35	
Cresol(s)	10H0721		200	ug/L	0.180	10.0	115	113	58	56	30-90	2	35	
Cresol(s)	10H0721		200	ug/L	0.180	10.0	115	113	58	56	30-90	2	35	
2,4-Dichlorophenol	10H0721		100	ug/L	0.150	10.0	71.1	67.4	71	67	45-100	5	35	
2,4-Dichlorophenol	10H0721		100	ug/L	0.150	10.0	71.1	67.4	71	67	45-100	5	35	
2,4-Dimethylphenol	10H0721		100	ug/L	0.210	10.0	61.8	58.3	62	58	35-95	6	35	

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Semivolatile Organics by GC/MS														
2,4-Dimethylphenol	10H0721		100	ug/L	0.210	10.0	61.8	58.3	62	58	35-95	6	35	
2,4-Dinitrophenol	10H0721		100	ug/L	1.34	20.0	85.6	82.8	86	83	45-140	3	35	
2,4-Dinitrophenol	10H0721		100	ug/L	1.34	20.0	85.6	82.8	86	83	45-140	3	35	
4,6-Dinitro-2-methylphenol	10H0721		100	ug/L	2.22	10.0	90.8	85.7	91	86	50-145	6	35	
4,6-Dinitro-2-methylphenol	10H0721		100	ug/L	2.22	10.0	90.8	85.7	91	86	50-145	6	35	
2-Methylphenol (o-Cresol)	10H0721		100	ug/L	0.180	10.0	60.6	59.9	61	60	30-90	1	35	
2-Methylphenol (o-Cresol)	10H0721		100	ug/L	0.180	10.0	60.6	59.9	61	60	30-90	1	35	
4-Methylphenol (p-Cresol)	10H0721		100	ug/L	0.180	10.0	54.9	52.9	55	53	30-90	4	35	
4-Methylphenol (p-Cresol)	10H0721		100	ug/L	0.180	10.0	54.9	52.9	55	53	30-90	4	35	
2-Nitrophenol	10H0721		100	ug/L	0.160	10.0	70.0	68.9	70	69	40-110	2	35	
2-Nitrophenol	10H0721		100	ug/L	0.160	10.0	70.0	68.9	70	69	40-110	2	35	
4-Nitrophenol	10H0721		100	ug/L	0.120	10.0	32.7	30.8	33	31	10-60	6	35	
4-Nitrophenol	10H0721		100	ug/L	0.120	10.0	32.7	30.8	33	31	10-60	6	35	
Pentachlorophenol	10H0721		100	ug/L	0.244	10.0	81.2	78.4	81	78	35-120	3	35	
Pentachlorophenol	10H0721		100	ug/L	0.244	10.0	81.2	78.4	81	78	35-120	3	35	
Phenol	10H0721		100	ug/L	2.40	10.0	29.4	28.4	29	28	15-45	4	35	
Phenol	10H0721		100	ug/L	2.40	10.0	29.4	28.4	29	28	15-45	4	35	
2,4,5-Trichlorophenol	10H0721		100	ug/L	0.320	10.0	78.7	74.6	79	75	50-110	5	35	
2,4,5-Trichlorophenol	10H0721		100	ug/L	0.320	10.0	78.7	74.6	79	75	50-110	5	35	
2,4,6-Trichlorophenol	10H0721		100	ug/L	0.220	10.0	77.1	72.9	77	73	45-110	6	35	
2,4,6-Trichlorophenol	10H0721		100	ug/L	0.220	10.0	77.1	72.9	77	73	45-110	6	35	
Surrogate: Nitrobenzene-d5	*10H0721*			ug/L					*67*	*65*	*35-105*			
Surrogate: Nitrobenzene-d5	*10H0721*			ug/L					*67*	*65*	*35-105*			
Surrogate: 2-Fluorobiphenyl	*10H0721*			ug/L					*68*	*64*	*35-100*			
Surrogate: 2-Fluorobiphenyl	*10H0721*			ug/L					*68*	*64*	*35-100*			
Surrogate: Terphenyl-d14	*10H0721*			ug/L					*83*	*83*	*40-125*			
Surrogate: Terphenyl-d14	*10H0721*			ug/L					*83*	*83*	*40-125*			
Surrogate: Phenol-d6	*10H0721*			ug/L					*27*	*25*	*10-45*			
Surrogate: Phenol-d6	*10H0721*			ug/L					*27*	*25*	*10-45*			
Surrogate: 2-Fluorophenol	*10H0721*			ug/L					*42*	*39*	*20-65*			
Surrogate: 2-Fluorophenol	*10H0721*			ug/L					*42*	*39*	*20-65*			
Surrogate: 2,4,6-Tribromophenol	*10H0721*			ug/L					*80*	*76*	*50-115*			
Surrogate: 2,4,6-Tribromophenol	*10H0721*			ug/L					*80*	*76*	*50-115*			
Acenaphthene	10H0780		3.33	mg/kg wet	0.00700	0.330	2.57		77		40-120		35	
Acenaphthene	10H0780		3.33	mg/kg wet	0.00700	0.330	2.57		77		40-120		35	
Acenaphthylene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.64		79		40-115		35	
Acenaphthylene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.64		79		40-115		35	
Anthracene	10H0780		3.33	mg/kg wet	0.0100	0.330	4.11		123		25-95		35	L
Anthracene	10H0780		3.33	mg/kg wet	0.0100	0.330	4.11		123		25-95		35	L
Benzidine	10H0780		3.33	mg/kg wet	0.00800	3.30	1.92		58		5-100		35	J
Benzidine	10H0780		3.33	mg/kg wet	0.00800	3.30	1.92		58		5-100		35	J
Benzo (a) anthracene	10H0780		3.33	mg/kg wet	0.0110	0.330	3.13		94		45-135		35	
Benzo (a) anthracene	10H0780		3.33	mg/kg wet	0.0110	0.330	3.13		94		45-135		35	
Benzo (b) fluoranthene	10H0780		3.33	mg/kg wet	0.0150	0.330	2.85		85		45-140		35	
Benzo (b) fluoranthene	10H0780		3.33	mg/kg wet	0.0150	0.330	2.85		85		45-140		35	
Benzo (k) fluoranthene	10H0780		3.33	mg/kg wet	0.0120	0.330	2.96		89		45-125		35	
Benzo (k) fluoranthene	10H0780		3.33	mg/kg wet	0.0120	0.330	2.96		89		45-125		35	

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Benzo (a) pyrene	10H0780		3.33	mg/kg wet	0.0140	0.330	3.06		92		55-145		35	
Benzo (a) pyrene	10H0780		3.33	mg/kg wet	0.0140	0.330	3.06		92		55-145		35	
Benzo (g,h,i) perylene	10H0780		3.33	mg/kg wet	0.0160	0.330	3.04		91		45-130		35	
Benzo (g,h,i) perylene	10H0780		3.33	mg/kg wet	0.0160	0.330	3.04		91		45-130		35	
Benzyl alcohol	10H0780		3.33	mg/kg wet	0.00900	0.330	2.31		69		40-105		35	
Benzyl alcohol	10H0780		3.33	mg/kg wet	0.00900	0.330	2.31		69		40-105		35	
Butyl benzyl phthalate	10H0780		3.33	mg/kg wet	0.0200	0.330	2.89		87		50-135		35	
Butyl benzyl phthalate	10H0780		3.33	mg/kg wet	0.0200	0.330	2.89		87		50-135		35	
Bis(2-chloroethyl)ether	10H0780		3.33	mg/kg wet	0.00700	0.330	2.42		73		35-100		35	
Bis(2-chloroethyl)ether	10H0780		3.33	mg/kg wet	0.00700	0.330	2.42		73		35-100		35	
Bis(2-chloroethoxy)methane	10H0780		3.33	mg/kg wet	0.0100	0.330	2.41		72		35-105		35	
Bis(2-chloroethoxy)methane	10H0780		3.33	mg/kg wet	0.0100	0.330	2.41		72		35-105		35	
Bis(2-ethylhexyl)phthalate	10H0780		3.33	mg/kg wet	0.0210	0.330	2.99		90		50-135		35	
Bis(2-ethylhexyl)phthalate	10H0780		3.33	mg/kg wet	0.0210	0.330	2.99		90		50-135		35	
Bis(2-chloroisopropyl) ether	10H0780		3.33	mg/kg wet	0.00700	0.330	2.29		69		30-100		35	
Bis(2-chloroisopropyl) ether	10H0780		3.33	mg/kg wet	0.00700	0.330	2.29		69		30-100		35	
4-Bromophenyl phenyl ether	10H0780		3.33	mg/kg wet	0.0170	0.330	2.75		83		40-120		35	
4-Bromophenyl phenyl ether	10H0780		3.33	mg/kg wet	0.0170	0.330	2.75		83		40-120		35	
Carbazole	10H0780		3.33	mg/kg wet	0.0130	0.330	2.85		85		45-135		35	
Carbazole	10H0780		3.33	mg/kg wet	0.0130	0.330	2.85		85		45-135		35	
4-Chloroaniline	10H0780		3.33	mg/kg wet	0.00700	0.330	2.35		70		20-115		35	
4-Chloroaniline	10H0780		3.33	mg/kg wet	0.00700	0.330	2.35		70		20-115		35	
2-Chloronaphthalene	10H0780		3.33	mg/kg wet	0.0110	0.330	2.47		74		40-110		35	
2-Chloronaphthalene	10H0780		3.33	mg/kg wet	0.0110	0.330	2.47		74		40-110		35	
4-Chlorophenyl phenyl ether	10H0780		3.33	mg/kg wet	0.0120	0.330	2.66		80		40-120		35	
4-Chlorophenyl phenyl ether	10H0780		3.33	mg/kg wet	0.0120	0.330	2.66		80		40-120		35	
Chrysene	10H0780		3.33	mg/kg wet	0.0120	0.330	2.99		90		50-135		35	
Chrysene	10H0780		3.33	mg/kg wet	0.0120	0.330	2.99		90		50-135		35	
Dibenzo (a,h) anthracene	10H0780		3.33	mg/kg wet	0.0190	0.330	2.98		89		45-130		35	
Dibenzo (a,h) anthracene	10H0780		3.33	mg/kg wet	0.0190	0.330	2.98		89		45-130		35	
Dibenzofuran	10H0780		3.33	mg/kg wet	0.0100	0.330	2.57		77		40-120		35	
Dibenzofuran	10H0780		3.33	mg/kg wet	0.0100	0.330	2.57		77		40-120		35	
Di-n-butyl phthalate	10H0780		3.33	mg/kg wet	0.0200	0.330	2.86		86		50-125		35	
Di-n-butyl phthalate	10H0780		3.33	mg/kg wet	0.0200	0.330	2.86		86		50-125		35	
1,2-Dichlorobenzene	10H0780		3.33	mg/kg wet	0.00900	0.330	2.26		68		30-95		35	
1,2-Dichlorobenzene	10H0780		3.33	mg/kg wet	0.00900	0.330	2.26		68		30-95		35	
1,3-Dichlorobenzene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.24		67		30-95		35	
1,3-Dichlorobenzene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.24		67		30-95		35	
1,4-Dichlorobenzene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.29		69		30-100		35	
1,4-Dichlorobenzene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.29		69		30-100		35	
3,3'-Dichlorobenzidine	10H0780		3.33	mg/kg wet	0.0100	0.330	2.98		89		35-130		35	
3,3'-Dichlorobenzidine	10H0780		3.33	mg/kg wet	0.0100	0.330	2.98		89		35-130		35	
Diethyl phthalate	10H0780		3.33	mg/kg wet	0.0120	0.330	2.82		85		40-130		35	
Diethyl phthalate	10H0780		3.33	mg/kg wet	0.0120	0.330	2.82		85		40-130		35	
Dimethyl phthalate	10H0780		3.33	mg/kg wet	0.0140	0.330	2.75		82		45-125		35	
Dimethyl phthalate	10H0780		3.33	mg/kg wet	0.0140	0.330	2.75		82		45-125		35	
2,4-Dinitrotoluene	10H0780		3.33	mg/kg wet	0.0180	0.330	2.86		86		50-140		35	

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Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
2,4-Dinitrotoluene	10H0780		3.33	mg/kg wet	0.0180	0.330	2.86		86		50-140		35	
2,6-Dinitrotoluene	10H0780		3.33	mg/kg wet	0.0140	0.330	2.74		82		45-140		35	
2,6-Dinitrotoluene	10H0780		3.33	mg/kg wet	0.0140	0.330	2.74		82		45-140		35	
Di-n-octyl phthalate	10H0780		3.33	mg/kg wet	0.0370	0.330	3.05		92		50-135		35	
Di-n-octyl phthalate	10H0780		3.33	mg/kg wet	0.0370	0.330	3.05		92		50-135		35	
Fluoranthene	10H0780		3.33	mg/kg wet	0.0100	0.330	2.91		87		50-125		35	
Fluoranthene	10H0780		3.33	mg/kg wet	0.0100	0.330	2.91		87		50-125		35	
Fluorene	10H0780		3.33	mg/kg wet	0.00900	0.330	2.80		84		45-120		35	
Fluorene	10H0780		3.33	mg/kg wet	0.00900	0.330	2.80		84		45-120		35	
Hexachlorobenzene	10H0780		3.33	mg/kg wet	0.0140	0.330	2.83		85		45-125		35	
Hexachlorobenzene	10H0780		3.33	mg/kg wet	0.0140	0.330	2.83		85		45-125		35	
Hexachlorobutadiene	10H0780		3.33	mg/kg wet	0.0100	0.330	2.34		70		35-100		35	
Hexachlorobutadiene	10H0780		3.33	mg/kg wet	0.0100	0.330	2.34		70		35-100		35	
Hexachlorocyclopentadiene	10H0780		3.33	mg/kg wet	0.0120	0.660	2.29		69		35-115		35	
Hexachlorocyclopentadiene	10H0780		3.33	mg/kg wet	0.0120	0.660	2.29		69		35-115		35	
Hexachloroethane	10H0780		3.33	mg/kg wet	0.0100	0.330	2.25		68		30-100		35	
Hexachloroethane	10H0780		3.33	mg/kg wet	0.0100	0.330	2.25		68		30-100		35	
Indeno (1,2,3-cd) pyrene	10H0780		3.33	mg/kg wet	0.0150	0.330	3.00		90		40-130		35	
Indeno (1,2,3-cd) pyrene	10H0780		3.33	mg/kg wet	0.0150	0.330	3.00		90		40-130		35	
Isophorone	10H0780		3.33	mg/kg wet	0.00900	0.330	2.46		74		35-95		35	
Isophorone	10H0780		3.33	mg/kg wet	0.00900	0.330	2.46		74		35-95		35	
2-Methylnaphthalene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.39		72		40-110		35	
2-Methylnaphthalene	10H0780		3.33	mg/kg wet	0.00800	0.330	2.39		72		40-110		35	
Naphthalene	10H0780		3.33	mg/kg wet	0.259	0.330	2.43		73		40-100		35	
Naphthalene	10H0780		3.33	mg/kg wet	0.259	0.330	2.43		73		40-100		35	
2-Nitroaniline	10H0780		3.33	mg/kg wet	0.0140	0.330	2.74		82		40-135		35	
2-Nitroaniline	10H0780		3.33	mg/kg wet	0.0140	0.330	2.74		82		40-135		35	
3-Nitroaniline	10H0780		3.33	mg/kg wet	0.0120	0.330	2.73		82		40-135		35	
3-Nitroaniline	10H0780		3.33	mg/kg wet	0.0120	0.330	2.73		82		40-135		35	
4-Nitroaniline	10H0780		3.33	mg/kg wet	0.0100	0.330	2.58		77		40-135		35	
4-Nitroaniline	10H0780		3.33	mg/kg wet	0.0100	0.330	2.58		77		40-135		35	
Nitrobenzene	10H0780		3.33	mg/kg wet	0.0110	0.330	2.35		71		35-105		35	
Nitrobenzene	10H0780		3.33	mg/kg wet	0.0110	0.330	2.35		71		35-105		35	
N-Nitrosodimethylamine	10H0780		3.33	mg/kg wet	0.00800	0.330	2.35		71		20-105		35	
N-Nitrosodimethylamine	10H0780		3.33	mg/kg wet	0.00800	0.330	2.35		71		20-105		35	
N-Nitrosodiphenylamine	10H0780		3.33	mg/kg wet	0.0130	0.330	2.62		78		35-130		35	
N-Nitrosodiphenylamine	10H0780		3.33	mg/kg wet	0.0130	0.330	2.62		78		35-130		35	
N-Nitrosodi-n-propylamine	10H0780		3.33	mg/kg wet	0.0680	0.330	2.36		71		35-105		35	
N-Nitrosodi-n-propylamine	10H0780		3.33	mg/kg wet	0.0680	0.330	2.36		71		35-105		35	
Phenanthrene	10H0780		3.33	mg/kg wet	0.0120	0.330	2.90		87		45-125		35	
Phenanthrene	10H0780		3.33	mg/kg wet	0.0120	0.330	2.90		87		45-125		35	
Pyrene	10H0780		3.33	mg/kg wet	0.0130	0.330	2.98		89		50-135		35	
Pyrene	10H0780		3.33	mg/kg wet	0.0130	0.330	2.98		89		50-135		35	
Pyridine	10H0780		3.33	mg/kg wet	0.00900	0.330	2.05		62		10-90		35	
Pyridine	10H0780		3.33	mg/kg wet	0.00900	0.330	2.05		62		10-90		35	
1,2,4-Trichlorobenzene	10H0780		3.33	mg/kg wet	0.00700	0.330	2.38		71		35-105		35	
1,2,4-Trichlorobenzene	10H0780		3.33	mg/kg wet	0.00700	0.330	2.38		71		35-105		35	

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
Benzoic acid	10H0780		3.33	mg/kg wet	0.440	0.660	1.14		34		10-85		35	
Benzoic acid	10H0780		3.33	mg/kg wet	0.440	0.660	1.14		34		10-85		35	
4-Chloro-3-methylphenol	10H0780		3.33	mg/kg wet	0.0100	0.330	2.71		81		45-115		35	
4-Chloro-3-methylphenol	10H0780		3.33	mg/kg wet	0.0100	0.330	2.71		81		45-115		35	
2-Chlorophenol	10H0780		3.33	mg/kg wet	0.0100	0.330	2.41		72		35-100		35	
2-Chlorophenol	10H0780		3.33	mg/kg wet	0.0100	0.330	2.41		72		35-100		35	
Cresol(s)	10H0780		6.67	mg/kg wet	0.250	0.330	5.70		86		40-105		35	
Cresol(s)	10H0780		6.67	mg/kg wet	0.250	0.330	5.70		86		40-105		35	
2,4-Dichlorophenol	10H0780		3.33	mg/kg wet	0.00900	0.330	2.54		76		45-105		35	
2,4-Dichlorophenol	10H0780		3.33	mg/kg wet	0.00900	0.330	2.54		76		45-105		35	
2,4-Dimethylphenol	10H0780		3.33	mg/kg wet	0.0150	0.330	2.21		66		40-100		35	
2,4-Dimethylphenol	10H0780		3.33	mg/kg wet	0.0150	0.330	2.21		66		40-100		35	
2,4-Dinitrophenol	10H0780		3.33	mg/kg wet	0.0710	0.660	1.87		56		35-130		35	
2,4-Dinitrophenol	10H0780		3.33	mg/kg wet	0.0710	0.660	1.87		56		35-130		35	
4,6-Dinitro-2-methylphenol	10H0780		3.33	mg/kg wet	0.00800	0.330	3.01		90		50-145		35	
4,6-Dinitro-2-methylphenol	10H0780		3.33	mg/kg wet	0.00800	0.330	3.01		90		50-145		35	
2-Methylphenol (o-Cresol)	10H0780		3.33	mg/kg wet	0.257	0.330	3.30		99		40-105		35	
2-Methylphenol (o-Cresol)	10H0780		3.33	mg/kg wet	0.257	0.330	3.30		99		40-105		35	
4-Methylphenol (p-Cresol)	10H0780		3.33	mg/kg wet	0.00800	0.330	2.40		72		45-110		35	
4-Methylphenol (p-Cresol)	10H0780		3.33	mg/kg wet	0.00800	0.330	2.40		72		45-110		35	
2-Nitrophenol	10H0780		3.33	mg/kg wet	0.0230	0.330	2.48		74		40-110		35	
2-Nitrophenol	10H0780		3.33	mg/kg wet	0.0230	0.330	2.48		74		40-110		35	
4-Nitrophenol	10H0780		3.33	mg/kg wet	0.0160	0.330	2.66		80		45-140		35	
4-Nitrophenol	10H0780		3.33	mg/kg wet	0.0160	0.330	2.66		80		45-140		35	
Pentachlorophenol	10H0780		3.33	mg/kg wet	0.240	0.330	2.57		77		40-130		35	
Pentachlorophenol	10H0780		3.33	mg/kg wet	0.240	0.330	2.57		77		40-130		35	
Phenol	10H0780		3.33	mg/kg wet	0.240	0.330	2.38		71		35-105		35	
Phenol	10H0780		3.33	mg/kg wet	0.240	0.330	2.38		71		35-105		35	
2,4,5-Trichlorophenol	10H0780		3.33	mg/kg wet	0.0160	0.330	2.76		83		45-125		35	
2,4,5-Trichlorophenol	10H0780		3.33	mg/kg wet	0.0160	0.330	2.76		83		45-125		35	
2,4,6-Trichlorophenol	10H0780		3.33	mg/kg wet	0.0200	0.330	2.67		80		45-120		35	
2,4,6-Trichlorophenol	10H0780		3.33	mg/kg wet	0.0200	0.330	2.67		80		45-120		35	
Surrogate: Nitrobenzene-d5	*10H0780*			mg/kg wet					*75*		*35-105*			
Surrogate: Nitrobenzene-d5	*10H0780*			mg/kg wet					*75*		*35-105*			
Surrogate: 2-Fluorobiphenyl	*10H0780*			mg/kg wet					*75*		*40-110*			
Surrogate: 2-Fluorobiphenyl	*10H0780*			mg/kg wet					*75*		*40-110*			
Surrogate: Terphenyl-d14	*10H0780*			mg/kg wet					*97*		*45-140*			
Surrogate: Terphenyl-d14	*10H0780*			mg/kg wet					*97*		*45-140*			
Surrogate: Phenol-d6	*10H0780*			mg/kg wet					*72*		*40-100*			
Surrogate: Phenol-d6	*10H0780*			mg/kg wet					*72*		*40-100*			
Surrogate: 2-Fluorophenol	*10H0780*			mg/kg wet					*70*		*30-100*			
Surrogate: 2-Fluorophenol	*10H0780*			mg/kg wet					*70*		*30-100*			
Surrogate: 2,4,6-Tribromophenol	*10H0780*			mg/kg wet					*88*		*45-130*			
Surrogate: 2,4,6-Tribromophenol	*10H0780*			mg/kg wet					*88*		*45-130*			
UST ANALYSIS PARAMETERS														
Gasoline	10H0713		2000	ug/L	N/A	300	1110	1070	55	53	20-95	4	35	
Gasoline	10H0713		2000	ug/L	N/A	300	1110	1070	55	53	20-95	4	35	

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
Surrogate: Octacosane	*10H0713*			ug/L					*90*	*88*	*45-140*			
Surrogate: Octacosane	*10H0713*			ug/L					*90*	*88*	*45-140*			
Gasoline	10H0749		66.7	mg/kg	N/A	10.0	43.0		64		40-105			
Gasoline	10H0749		66.7	mg/kg	N/A	10.0	43.0		64		40-105			
Surrogate: Octacosane	*10H0749*			mg/kg					*109*		*65-150*			
Surrogate: Octacosane	*10H0749*			mg/kg					*109*		*65-150*			
Organochlorine Pesticides by EPA Method 8081A														
Aldrin	10H0716		0.500	ug/L	N/A	0.0320	0.342	0.329	68	66	35-115	4	35	
Aldrin	10H0716		0.500	ug/L	N/A	0.0320	0.342	0.329	68	66	35-115	4	35	
alpha-BHC	10H0716		0.500	ug/L	N/A	0.0320	0.382	0.382	76	76	45-110	0	35	
alpha-BHC	10H0716		0.500	ug/L	N/A	0.0320	0.382	0.382	76	76	45-110	0	35	
beta-BHC	10H0716		0.500	ug/L	N/A	0.0320	0.401	0.394	80	79	45-120	2	35	
beta-BHC	10H0716		0.500	ug/L	N/A	0.0320	0.401	0.394	80	79	45-120	2	35	
delta-BHC	10H0716		0.500	ug/L	N/A	0.0320	0.411	0.407	82	81	25-120	1	35	
delta-BHC	10H0716		0.500	ug/L	N/A	0.0320	0.411	0.407	82	81	25-120	1	35	
gamma-BHC (Lindane)	10H0716		0.500	ug/L	N/A	0.0320	0.394	0.393	79	79	50-115	0	35	
gamma-BHC (Lindane)	10H0716		0.500	ug/L	N/A	0.0320	0.394	0.393	79	79	50-115	0	35	
alpha-Chlordane	10H0716		0.500	ug/L	N/A	0.0320	0.400	0.391	80	78	45-115	2	35	
alpha-Chlordane	10H0716		0.500	ug/L	N/A	0.0320	0.400	0.391	80	78	45-115	2	35	
gamma-Chlordane	10H0716		0.500	ug/L	N/A	0.0320	0.403	0.390	81	78	50-115	3	35	
gamma-Chlordane	10H0716		0.500	ug/L	N/A	0.0320	0.403	0.390	81	78	50-115	3	35	
Dieldrin	10H0716		0.500	ug/L	N/A	0.0320	0.412	0.407	82	81	45-125	1	35	
Dieldrin	10H0716		0.500	ug/L	N/A	0.0320	0.412	0.407	82	81	45-125	1	35	
4,4'-DDD	10H0716		0.500	ug/L	N/A	0.0320	0.405	0.409	81	82	50-120	1	35	
4,4'-DDD	10H0716		0.500	ug/L	N/A	0.0320	0.405	0.409	81	82	50-120	1	35	
4,4'-DDE	10H0716		0.500	ug/L	N/A	0.0320	0.419	0.411	84	82	45-125	2	35	
4,4'-DDE	10H0716		0.500	ug/L	N/A	0.0320	0.419	0.411	84	82	45-125	2	35	
4,4'-DDT	10H0716		0.500	ug/L	N/A	0.0320	0.428	0.421	86	84	45-125	2	35	
4,4'-DDT	10H0716		0.500	ug/L	N/A	0.0320	0.428	0.421	86	84	45-125	2	35	
Endosulfan I	10H0716		0.500	ug/L	N/A	0.0320	0.317	0.314	63	63	35-120	1	35	
Endosulfan I	10H0716		0.500	ug/L	N/A	0.0320	0.317	0.314	63	63	35-120	1	35	
Endosulfan II	10H0716		0.500	ug/L	N/A	0.0320	0.353	0.354	71	71	35-125	0	35	
Endosulfan II	10H0716		0.500	ug/L	N/A	0.0320	0.353	0.354	71	71	35-125	0	35	
Endosulfan sulfate	10H0716		0.500	ug/L	N/A	0.0320	0.423	0.426	85	85	50-115	1	35	
Endosulfan sulfate	10H0716		0.500	ug/L	N/A	0.0320	0.423	0.426	85	85	50-115	1	35	
Endrin	10H0716		0.500	ug/L	N/A	0.0320	0.420	0.414	84	83	50-120	1	35	
Endrin	10H0716		0.500	ug/L	N/A	0.0320	0.420	0.414	84	83	50-120	1	35	
Endrin aldehyde	10H0716		0.500	ug/L	N/A	0.0320	0.390	0.393	78	79	45-120	1	35	
Endrin aldehyde	10H0716		0.500	ug/L	N/A	0.0320	0.390	0.393	78	79	45-120	1	35	
Endrin ketone	10H0716		0.500	ug/L	N/A	0.0320	0.406	0.409	81	82	50-125	1	35	
Endrin ketone	10H0716		0.500	ug/L	N/A	0.0320	0.406	0.409	81	82	50-125	1	35	
Heptachlor	10H0716		0.500	ug/L	N/A	0.0320	0.367	0.357	73	71	40-120	3	35	
Heptachlor	10H0716		0.500	ug/L	N/A	0.0320	0.367	0.357	73	71	40-120	3	35	
Heptachlor epoxide	10H0716		0.500	ug/L	N/A	0.0320	0.401	0.396	80	79	50-115	1	35	
Heptachlor epoxide	10H0716		0.500	ug/L	N/A	0.0320	0.401	0.396	80	79	50-115	1	35	
Methoxychlor	10H0716		0.500	ug/L	N/A	0.0320	0.414	0.418	83	84	40-130	1	30	
Methoxychlor	10H0716		0.500	ug/L	N/A	0.0320	0.414	0.418	83	84	40-130	1	30	

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides by EPA Method 8081A														
Surrogate: Decachlorobiphenyl	*10H0716*			ug/L					*74*	*80*	*40-135*			
Surrogate: Decachlorobiphenyl	*10H0716*			ug/L					*74*	*80*	*40-135*			
Surrogate: Tetrachloro-meta-xylene	*10H0716*			ug/L					*71*	*68*	*35-110*			
Surrogate: Tetrachloro-meta-xylene	*10H0716*			ug/L					*71*	*68*	*35-110*			
Toxaphene	10H0716		10.0	ug/L	N/A	2.00	10.5		105		45-140			
Toxaphene	10H0716		10.0	ug/L	N/A	2.00	10.5		105		45-140			
Surrogate: Decachlorobiphenyl	*10H0716*			ug/L					*83*		*40-135*			
Surrogate: Decachlorobiphenyl	*10H0716*			ug/L					*83*		*40-135*			
Surrogate: Tetrachloro-meta-xylene	*10H0716*			ug/L					*75*		*35-110*			
Surrogate: Tetrachloro-meta-xylene	*10H0716*			ug/L					*75*		*35-110*			
Aldrin	10H0718		16.7	ug/kg wet	N/A	5.30	14.6		87		60-115			
Aldrin	10H0718		16.7	ug/kg wet	N/A	5.30	14.6		87		60-115			
alpha-BHC	10H0718		16.7	ug/kg wet	N/A	5.30	14.5		87		60-110			
alpha-BHC	10H0718		16.7	ug/kg wet	N/A	5.30	14.5		87		60-110			
beta-BHC	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		95		65-120			
beta-BHC	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		95		65-120			
delta-BHC	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		96		30-125			
delta-BHC	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		96		30-125			
gamma-BHC (Lindane)	10H0718		16.7	ug/kg wet	N/A	5.30	15.0		90		65-110			
gamma-BHC (Lindane)	10H0718		16.7	ug/kg wet	N/A	5.30	15.0		90		65-110			
alpha-Chlordane	10H0718		16.7	ug/kg wet	N/A	5.30	15.1		90		65-115			
alpha-Chlordane	10H0718		16.7	ug/kg wet	N/A	5.30	15.1		90		65-115			
gamma-Chlordane	10H0718		16.7	ug/kg wet	N/A	5.30	15.0		90		60-120			
gamma-Chlordane	10H0718		16.7	ug/kg wet	N/A	5.30	15.0		90		60-120			
Dieldrin	10H0718		16.7	ug/kg wet	N/A	5.30	15.3		92		65-120			
Dieldrin	10H0718		16.7	ug/kg wet	N/A	5.30	15.3		92		65-120			
4,4'-DDD	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		96		65-125			
4,4'-DDD	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		96		65-125			
4,4'-DDE	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		95		65-130			
4,4'-DDE	10H0718		16.7	ug/kg wet	N/A	5.30	15.9		95		65-130			
4,4'-DDT	10H0718		16.7	ug/kg wet	N/A	5.30	15.2		91		50-140			
4,4'-DDT	10H0718		16.7	ug/kg wet	N/A	5.30	15.2		91		50-140			
Endosulfan I	10H0718		16.7	ug/kg wet	N/A	5.30	12.2		73		40-135			
Endosulfan I	10H0718		16.7	ug/kg wet	N/A	5.30	12.2		73		40-135			
Endosulfan II	10H0718		16.7	ug/kg wet	N/A	5.30	13.6		82		45-135			
Endosulfan II	10H0718		16.7	ug/kg wet	N/A	5.30	13.6		82		45-135			
Endosulfan sulfate	10H0718		16.7	ug/kg wet	N/A	5.30	16.7		100		60-120			
Endosulfan sulfate	10H0718		16.7	ug/kg wet	N/A	5.30	16.7		100		60-120			
Endrin	10H0718		16.7	ug/kg wet	N/A	5.30	16.0		96		60-135			
Endrin	10H0718		16.7	ug/kg wet	N/A	5.30	16.0		96		60-135			
Endrin aldehyde	10H0718		16.7	ug/kg wet	N/A	5.30	16.0		96		55-125			
Endrin aldehyde	10H0718		16.7	ug/kg wet	N/A	5.30	16.0		96		55-125			
Endrin ketone	10H0718		16.7	ug/kg wet	N/A	5.30	15.8		94		60-130			
Endrin ketone	10H0718		16.7	ug/kg wet	N/A	5.30	15.8		94		60-130			
Heptachlor	10H0718		16.7	ug/kg wet	N/A	5.30	15.2		91		55-125			
Heptachlor	10H0718		16.7	ug/kg wet	N/A	5.30	15.2		91		55-125			
Heptachlor epoxide	10H0718		16.7	ug/kg wet	N/A	5.30	15.4		92		65-120			

TERRACON - CEDAR RAPIDS
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Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides by EPA Method 8081A														
Heptachlor epoxide	10H0718		16.7	ug/kg wet	N/A	5.30	15.4		92		65-120			
Methoxychlor	10H0718		16.7	ug/kg wet	N/A	5.30	16.2		97		50-145			
Methoxychlor	10H0718		16.7	ug/kg wet	N/A	5.30	16.2		97		50-145			
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg wet					*93*		*50-145*			
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg wet					*93*		*50-145*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg wet					*84*		*45-125*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg wet					*84*		*45-125*			
Toxaphene	10H0718		333	ug/kg wet	N/A	66.7	305		91		70-130			
Toxaphene	10H0718		333	ug/kg wet	N/A	66.7	305		91		70-130			
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg wet					*91*		*50-145*			
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg wet					*91*		*50-145*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg wet					*73*		*45-125*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg wet					*73*		*45-125*			

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH0846-06														
Acetone	10H0875	0.220	20.0	ug/L	N/A	N/A	20.6	24.7	102	122	45-150	18	35	C9,CIN
Acetone	10H0875	0.220	20.0	ug/L	N/A	N/A	20.6	24.7	102	122	45-150	18	35	C9,CIN
Acrylonitrile	10H0875	0.0300	20.0	ug/L	N/A	N/A	15.3	18.8	76	94	45-145	21	35	
Acrylonitrile	10H0875	0.0300	20.0	ug/L	N/A	N/A	15.3	18.8	76	94	45-145	21	35	
Benzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	21.0	21.2	105	106	50-130	1	20	
Benzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	21.0	21.2	105	106	50-130	1	20	
Bromobenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	22.7	22.9	114	115	60-135	1	15	
Bromobenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	22.7	22.9	114	115	60-135	1	15	
Bromochloromethane	10H0875	0.0300	20.0	ug/L	N/A	N/A	19.6	22.6	98	113	55-145	14	25	
Bromochloromethane	10H0875	0.0300	20.0	ug/L	N/A	N/A	19.6	22.6	98	113	55-145	14	25	
Bromodichloromethane	10H0875	0.150	20.0	ug/L	N/A	N/A	18.2	20.0	90	99	50-130	9	15	C9,CIN
Bromodichloromethane	10H0875	0.150	20.0	ug/L	N/A	N/A	18.2	20.0	90	99	50-130	9	15	C9,CIN
Bromoform	10H0875	<5.00	20.0	ug/L	N/A	N/A	16.6	17.3	83	86	30-125	4	25	C9,CIN
Bromoform	10H0875	<5.00	20.0	ug/L	N/A	N/A	16.6	17.3	83	86	30-125	4	25	C9,CIN
Bromomethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	15.3	16.1	76	80	30-130	5	35	
Bromomethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	15.3	16.1	76	80	30-130	5	35	
2-Butanone (MEK)	10H0875	0.0600	20.0	ug/L	N/A	N/A	20.0	26.5	100	132	45-140	28	35	
2-Butanone (MEK)	10H0875	0.0600	20.0	ug/L	N/A	N/A	20.0	26.5	100	132	45-140	28	35	
n-Butylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	19.2	18.9	96	95	40-135	1	20	
n-Butylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	19.2	18.9	96	95	40-135	1	20	
sec-Butylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	20.1	19.3	100	97	40-135	4	20	
sec-Butylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	20.1	19.3	100	97	40-135	4	20	
tert-Butylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	19.6	19.2	98	96	40-135	2	20	
tert-Butylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	19.6	19.2	98	96	40-135	2	20	
Carbon disulfide	10H0875	0.0200	20.0	ug/L	N/A	N/A	16.1	16.6	80	83	30-130	3	30	
Carbon disulfide	10H0875	0.0200	20.0	ug/L	N/A	N/A	16.1	16.6	80	83	30-130	3	30	
Carbon Tetrachloride	10H0875	0.0200	20.0	ug/L	N/A	N/A	17.6	17.3	88	87	35-130	1	20	
Carbon Tetrachloride	10H0875	0.0200	20.0	ug/L	N/A	N/A	17.6	17.3	88	87	35-130	1	20	
Chlorobenzene	10H0875	0.0200	20.0	ug/L	N/A	N/A	21.1	20.8	106	104	60-130	2	15	
Chlorobenzene	10H0875	0.0200	20.0	ug/L	N/A	N/A	21.1	20.8	106	104	60-130	2	15	
Chlorodibromomethane	10H0875	0.0600	20.0	ug/L	N/A	N/A	14.6	15.3	73	76	35-130	5	20	CIN
Chlorodibromomethane	10H0875	0.0600	20.0	ug/L	N/A	N/A	14.6	15.3	73	76	35-130	5	20	CIN
Chloroethane	10H0875	0.180	20.0	ug/L	N/A	N/A	17.8	19.5	88	97	40-135	9	20	
Chloroethane	10H0875	0.180	20.0	ug/L	N/A	N/A	17.8	19.5	88	97	40-135	9	20	
Chloroform	10H0875	0.560	20.0	ug/L	N/A	N/A	15.8	19.3	76	94	55-125	20	15	R
Chloroform	10H0875	0.560	20.0	ug/L	N/A	N/A	15.8	19.3	76	94	55-125	20	15	R
Chloromethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	15.7	17.3	78	86	25-125	10	25	
Chloromethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	15.7	17.3	78	86	25-125	10	25	
2-Chlorotoluene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.5	24.0	122	120	55-140	2	20	C9
2-Chlorotoluene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.5	24.0	122	120	55-140	2	20	C9
4-Chlorotoluene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.0	23.6	120	118	50-140	2	20	C9
4-Chlorotoluene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.0	23.6	120	118	50-140	2	20	C9
1,2-Dibromo-3-chloropropane	10H0875	<10.0	20.0	ug/L	N/A	N/A	17.1	21.0	86	105	35-130	20	30	
1,2-Dibromo-3-chloropropane	10H0875	<10.0	20.0	ug/L	N/A	N/A	17.1	21.0	86	105	35-130	20	30	
1,2-Dibromoethane (EDB)	10H0875	<10.0	20.0	ug/L	N/A	N/A	19.6	21.3	98	106	55-140	8	20	
1,2-Dibromoethane (EDB)	10H0875	<10.0	20.0	ug/L	N/A	N/A	19.6	21.3	98	106	55-140	8	20	
Dibromomethane	10H0875	<1.00	20.0	ug/L	N/A	N/A	17.2	21.4	86	107	60-135	22	15	R

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH0846-06														
Dibromomethane	10H0875	<1.00	20.0	ug/L	N/A	N/A	17.2	21.4	86	107	60-135	22	15	R
1,2-Dichlorobenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	19.9	20.4	99	102	55-140	3	20	
1,2-Dichlorobenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	19.9	20.4	99	102	55-140	3	20	
1,3-Dichlorobenzene	10H0875	0.0200	20.0	ug/L	N/A	N/A	20.1	20.6	100	103	55-135	2	15	
1,3-Dichlorobenzene	10H0875	0.0200	20.0	ug/L	N/A	N/A	20.1	20.6	100	103	55-135	2	15	
1,4-Dichlorobenzene	10H0875	0.0400	20.0	ug/L	N/A	N/A	20.0	19.8	100	99	55-140	1	15	
1,4-Dichlorobenzene	10H0875	0.0400	20.0	ug/L	N/A	N/A	20.0	19.8	100	99	55-140	1	15	
Dichlorodifluoromethane	10H0875	<3.00	20.0	ug/L	N/A	N/A	11.9	11.6	60	58	15-130	3	25	
Dichlorodifluoromethane	10H0875	<3.00	20.0	ug/L	N/A	N/A	11.9	11.6	60	58	15-130	3	25	
1,1-Dichloroethane	10H0875	0.0100	20.0	ug/L	N/A	N/A	16.3	19.9	81	100	50-130	20	25	
1,1-Dichloroethane	10H0875	0.0100	20.0	ug/L	N/A	N/A	16.3	19.9	81	100	50-130	20	25	
1,2-Dichloroethane	10H0875	<1.00	20.0	ug/L	N/A	N/A	17.5	20.9	88	104	55-140	18	15	R
1,2-Dichloroethane	10H0875	<1.00	20.0	ug/L	N/A	N/A	17.5	20.9	88	104	55-140	18	15	R
1,1-Dichloroethene	10H0875	0.0200	20.0	ug/L	N/A	N/A	14.4	17.4	72	87	35-135	19	30	
1,1-Dichloroethene	10H0875	0.0200	20.0	ug/L	N/A	N/A	14.4	17.4	72	87	35-135	19	30	
cis-1,2-Dichloroethene	10H0875	0.160	20.0	ug/L	N/A	N/A	16.3	20.3	81	101	45-135	22	20	R
cis-1,2-Dichloroethene	10H0875	0.160	20.0	ug/L	N/A	N/A	16.3	20.3	81	101	45-135	22	20	R
trans-1,2-Dichloroethene	10H0875	0.0200	20.0	ug/L	N/A	N/A	15.6	19.5	78	97	45-145	22	35	
trans-1,2-Dichloroethene	10H0875	0.0200	20.0	ug/L	N/A	N/A	15.6	19.5	78	97	45-145	22	35	
1,2-Dichloropropane	10H0875	<1.00	20.0	ug/L	N/A	N/A	20.7	21.8	104	109	55-130	5	15	
1,2-Dichloropropane	10H0875	<1.00	20.0	ug/L	N/A	N/A	20.7	21.8	104	109	55-130	5	15	
1,3-Dichloropropane	10H0875	0.0100	20.0	ug/L	N/A	N/A	21.1	21.1	105	105	60-135	0	15	
1,3-Dichloropropane	10H0875	0.0100	20.0	ug/L	N/A	N/A	21.1	21.1	105	105	60-135	0	15	
2,2-Dichloropropane	10H0875	<4.00	20.0	ug/L	N/A	N/A	15.8	17.3	79	87	20-120	9	35	
2,2-Dichloropropane	10H0875	<4.00	20.0	ug/L	N/A	N/A	15.8	17.3	79	87	20-120	9	35	
1,1-Dichloropropene	10H0875	<1.00	20.0	ug/L	N/A	N/A	19.3	19.0	96	95	40-140	2	20	
1,1-Dichloropropene	10H0875	<1.00	20.0	ug/L	N/A	N/A	19.3	19.0	96	95	40-140	2	20	
cis-1,3-Dichloropropene	10H0875	<5.00	20.0	ug/L	N/A	N/A	15.3	15.5	76	78	25-120	2	20	CIN
cis-1,3-Dichloropropene	10H0875	<5.00	20.0	ug/L	N/A	N/A	15.3	15.5	76	78	25-120	2	20	CIN
trans-1,3-Dichloropropene	10H0875	0.0100	20.0	ug/L	N/A	N/A	14.5	14.9	73	74	25-120	3	20	CIN
trans-1,3-Dichloropropene	10H0875	0.0100	20.0	ug/L	N/A	N/A	14.5	14.9	73	74	25-120	3	20	CIN
Ethylbenzene	10H0875	0.0300	20.0	ug/L	N/A	N/A	21.9	21.7	109	108	45-135	1	20	
Ethylbenzene	10H0875	0.0300	20.0	ug/L	N/A	N/A	21.9	21.7	109	108	45-135	1	20	
Hexachlorobutadiene	10H0875	<5.00	20.0	ug/L	N/A	N/A	19.0	18.0	95	90	40-135	5	30	
Hexachlorobutadiene	10H0875	<5.00	20.0	ug/L	N/A	N/A	19.0	18.0	95	90	40-135	5	30	
Hexane	10H0875	<1.00	20.0	ug/L	N/A	N/A	16.1	14.6	81	73	25-135	10	35	
Hexane	10H0875	<1.00	20.0	ug/L	N/A	N/A	16.1	14.6	81	73	25-135	10	35	
Isopropylbenzene	10H0875	<1.00	20.0	ug/L	N/A	N/A	20.1	20.0	100	100	45-125	1	15	
Isopropylbenzene	10H0875	<1.00	20.0	ug/L	N/A	N/A	20.1	20.0	100	100	45-125	1	15	
p-Isopropyltoluene	10H0875	0.0100	20.0	ug/L	N/A	N/A	20.1	19.6	101	98	40-140	2	20	
p-Isopropyltoluene	10H0875	0.0100	20.0	ug/L	N/A	N/A	20.1	19.6	101	98	40-140	2	20	
Methylene Chloride	10H0875	0.210	20.0	ug/L	N/A	N/A	15.8	17.9	78	89	45-145	13	30	
Methylene Chloride	10H0875	0.210	20.0	ug/L	N/A	N/A	15.8	17.9	78	89	45-145	13	30	
Methyl tert-Butyl Ether	10H0875	<1.00	20.0	ug/L	N/A	N/A	18.5	21.5	93	107	40-135	15	25	
Methyl tert-Butyl Ether	10H0875	<1.00	20.0	ug/L	N/A	N/A	18.5	21.5	93	107	40-135	15	25	
Naphthalene	10H0875	<5.00	20.0	ug/L	N/A	N/A	18.5	20.0	93	100	40-135	8	20	
Naphthalene	10H0875	<5.00	20.0	ug/L	N/A	N/A	18.5	20.0	93	100	40-135	8	20	

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH0846-06														
n-Propylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.1	23.6	120	118	45-140	2	20	C9
n-Propylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.1	23.6	120	118	45-140	2	20	C9
Styrene	10H0875	0.0100	20.0	ug/L	N/A	N/A	21.7	21.7	108	109	40-135	0	20	
Styrene	10H0875	0.0100	20.0	ug/L	N/A	N/A	21.7	21.7	108	109	40-135	0	20	
1,1,1,2-Tetrachloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	18.8	19.0	94	95	50-130	1	20	CIN
1,1,1,2-Tetrachloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	18.8	19.0	94	95	50-130	1	20	CIN
1,1,2,2-Tetrachloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	24.2	25.4	121	127	55-140	5	20	C
1,1,2,2-Tetrachloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	24.2	25.4	121	127	55-140	5	20	C
Tetrachloroethene	10H0875	<1.00	20.0	ug/L	N/A	N/A	21.4	20.9	107	104	40-135	3	20	
Tetrachloroethene	10H0875	<1.00	20.0	ug/L	N/A	N/A	21.4	20.9	107	104	40-135	3	20	
Toluene	10H0875	0.140	20.0	ug/L	N/A	N/A	21.2	21.4	105	106	45-135	1	20	
Toluene	10H0875	0.140	20.0	ug/L	N/A	N/A	21.2	21.4	105	106	45-135	1	20	
1,2,3-Trichlorobenzene	10H0875	0.0200	20.0	ug/L	N/A	N/A	19.1	20.2	95	101	50-140	5	25	
1,2,3-Trichlorobenzene	10H0875	0.0200	20.0	ug/L	N/A	N/A	19.1	20.2	95	101	50-140	5	25	
1,2,4-Trichlorobenzene	10H0875	0.0300	20.0	ug/L	N/A	N/A	16.9	17.0	84	85	40-135	1	25	
1,2,4-Trichlorobenzene	10H0875	0.0300	20.0	ug/L	N/A	N/A	16.9	17.0	84	85	40-135	1	25	
1,1,1-Trichloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	19.2	19.7	96	98	40-125	3	20	CIN
1,1,1-Trichloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	19.2	19.7	96	98	40-125	3	20	CIN
1,1,2-Trichloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	19.7	21.6	98	108	60-130	9	15	
1,1,2-Trichloroethane	10H0875	0.0200	20.0	ug/L	N/A	N/A	19.7	21.6	98	108	60-130	9	15	
Trichloroethene	10H0875	<1.00	20.0	ug/L	N/A	N/A	20.4	20.8	102	104	50-130	2	20	
Trichloroethene	10H0875	<1.00	20.0	ug/L	N/A	N/A	20.4	20.8	102	104	50-130	2	20	
Trichlorofluoromethane	10H0875	<4.00	20.0	ug/L	N/A	N/A	16.5	18.1	82	91	40-145	10	25	
Trichlorofluoromethane	10H0875	<4.00	20.0	ug/L	N/A	N/A	16.5	18.1	82	91	40-145	10	25	
1,2,3-Trichloropropane	10H0875	<1.00	20.0	ug/L	N/A	N/A	24.7	25.3	123	127	55-150	3	20	C
1,2,3-Trichloropropane	10H0875	<1.00	20.0	ug/L	N/A	N/A	24.7	25.3	123	127	55-150	3	20	C
1,2,4-Trimethylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.1	24.0	121	120	45-140	0	20	C9
1,2,4-Trimethylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.1	24.0	121	120	45-140	0	20	C9
1,3,5-Trimethylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.4	24.1	122	120	45-140	1	20	C
1,3,5-Trimethylbenzene	10H0875	0.0100	20.0	ug/L	N/A	N/A	24.4	24.1	122	120	45-140	1	20	C
Vinyl chloride	10H0875	<1.00	20.0	ug/L	N/A	N/A	15.9	17.7	79	89	30-135	11	20	
Vinyl chloride	10H0875	<1.00	20.0	ug/L	N/A	N/A	15.9	17.7	79	89	30-135	11	20	
Xylenes, total	10H0875	<3.00	60.0	ug/L	N/A	N/A	69.1	69.7	115	116	40-135	1	20	C9
Xylenes, total	10H0875	<3.00	60.0	ug/L	N/A	N/A	69.1	69.7	115	116	40-135	1	20	C9
Surrogate: Dibromofluoromethane	*10H0875*			ug/L					*80*	*98*	*75-120*			
Surrogate: Dibromofluoromethane	*10H0875*			ug/L					*80*	*98*	*75-120*			
Surrogate: Toluene-d8	*10H0875*			ug/L					*97*	*97*	*80-120*			
Surrogate: Toluene-d8	*10H0875*			ug/L					*97*	*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0875*			ug/L					*111*	*111*	*80-110*			
Surrogate: 4-Bromofluorobenzene	*10H0875*			ug/L					*111*	*111*	*80-110*			
QC Source Sample: CTH0832-01														
Acetone	10H0882	<100	40.1	ug/kg wet	N/A	100	51.4	29.8	128	86	55-150	53	40	R
Acetone	10H0882	<100	40.1	ug/kg wet	N/A	100	51.4	29.8	128	86	55-150	53	40	R
Acrylonitrile	10H0882	<100	40.1	ug/kg wet	N/A	100	31.6	30.7	79	88	35-140	3	40	
Acrylonitrile	10H0882	<100	40.1	ug/kg wet	N/A	100	31.6	30.7	79	88	35-140	3	40	
Benzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.9	29.5	87	85	40-135	17	40	
Benzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.9	29.5	87	85	40-135	17	40	

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Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH0832-01														
Bromobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	29.1	24.3	72	70	30-125	18	40	
Bromobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	29.1	24.3	72	70	30-125	18	40	
Bromochloromethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.9	31.9	94	92	55-130	17	35	
Bromochloromethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.9	31.9	94	92	55-130	17	35	
Bromodichloromethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.2	31.3	93	90	50-130	17	35	
Bromodichloromethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.2	31.3	93	90	50-130	17	35	
Bromoform	10H0882	<20.1	40.1	ug/kg wet	N/A	20.1	32.5	27.3	81	78	35-135	18	40	
Bromoform	10H0882	<20.1	40.1	ug/kg wet	N/A	20.1	32.5	27.3	81	78	35-135	18	40	
Bromomethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	32.8	28.4	82	82	40-135	14	35	
Bromomethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	32.8	28.4	82	82	40-135	14	35	
2-Butanone (MEK)	10H0882	<100	40.1	ug/kg wet	N/A	100	39.3	32.7	98	94	40-145	18	40	
2-Butanone (MEK)	10H0882	<100	40.1	ug/kg wet	N/A	100	39.3	32.7	98	94	40-145	18	40	
n-Butylbenzene	10H0882	0.524	40.1	ug/kg wet	N/A	10.0	23.0	18.6	56	52	20-130	21	40	
n-Butylbenzene	10H0882	0.524	40.1	ug/kg wet	N/A	10.0	23.0	18.6	56	52	20-130	21	40	
sec-Butylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.2	24.6	78	71	25-125	24	40	
sec-Butylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.2	24.6	78	71	25-125	24	40	
tert-Butylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	33.8	27.5	84	79	25-125	21	40	
tert-Butylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	33.8	27.5	84	79	25-125	21	40	
Carbon disulfide	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.1	29.3	85	84	35-135	15	40	
Carbon disulfide	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.1	29.3	85	84	35-135	15	40	
Carbon Tetrachloride	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.1	30.6	90	88	45-130	17	35	
Carbon Tetrachloride	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.1	30.6	90	88	45-130	17	35	
Chlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	30.5	26.0	76	75	35-120	16	35	
Chlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	30.5	26.0	76	75	35-120	16	35	
Chlorodibromomethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.0	29.6	85	85	45-130	14	40	
Chlorodibromomethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.0	29.6	85	85	45-130	14	40	
Chloroethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	41.0	32.5	102	93	45-145	23	35	
Chloroethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	41.0	32.5	102	93	45-145	23	35	
Chloroform	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.6	30.4	89	87	55-130	16	35	
Chloroform	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.6	30.4	89	87	55-130	16	35	
Chloromethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	29.8	24.4	74	70	40-135	20	40	
Chloromethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	29.8	24.4	74	70	40-135	20	40	
2-Chlorotoluene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	32.0	27.1	80	78	25-125	17	40	
2-Chlorotoluene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	32.0	27.1	80	78	25-125	17	40	
4-Chlorotoluene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	28.5	23.6	71	68	25-125	19	40	
4-Chlorotoluene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	28.5	23.6	71	68	25-125	19	40	
1,2-Dibromo-3-chloropropane	10H0882	<100	40.1	ug/kg wet	N/A	100	34.2	25.8	85	74	35-140	28	40	
1,2-Dibromo-3-chloropropane	10H0882	<100	40.1	ug/kg wet	N/A	100	34.2	25.8	85	74	35-140	28	40	
1,2-Dibromoethane (EDB)	10H0882	<100	40.1	ug/kg wet	N/A	100	32.9	28.6	82	82	45-140	14	35	
1,2-Dibromoethane (EDB)	10H0882	<100	40.1	ug/kg wet	N/A	100	32.9	28.6	82	82	45-140	14	35	
Dibromomethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.2	31.8	90	91	50-135	13	35	
Dibromomethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.2	31.8	90	91	50-135	13	35	
1,2-Dichlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	29.3	23.8	73	68	25-120	21	40	
1,2-Dichlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	29.3	23.8	73	68	25-120	21	40	
1,3-Dichlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	27.1	21.8	67	63	25-125	22	40	
1,3-Dichlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	27.1	21.8	67	63	25-125	22	40	
1,4-Dichlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	26.0	21.6	65	62	20-125	18	40	

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Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH0832-01														
1,4-Dichlorobenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	26.0	21.6	65	62	20-125	18	40	
Dichlorodifluoromethane	10H0882	<30.1	40.1	ug/kg wet	N/A	30.1	30.2	25.2	75	72	35-135	18	35	
Dichlorodifluoromethane	10H0882	<30.1	40.1	ug/kg wet	N/A	30.1	30.2	25.2	75	72	35-135	18	35	
1,1-Dichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.3	30.0	88	86	50-135	16	35	
1,1-Dichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.3	30.0	88	86	50-135	16	35	
1,2-Dichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.0	31.1	90	89	50-140	14	40	
1,2-Dichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.0	31.1	90	89	50-140	14	40	
1,1-Dichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.2	31.7	93	91	45-145	16	35	
1,1-Dichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.2	31.7	93	91	45-145	16	35	
cis-1,2-Dichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.6	32.9	94	95	50-135	13	35	
cis-1,2-Dichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.6	32.9	94	95	50-135	13	35	
trans-1,2-Dichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	38.0	31.1	95	89	45-135	20	40	
trans-1,2-Dichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	38.0	31.1	95	89	45-135	20	40	
1,2-Dichloropropane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.0	30.2	90	87	50-130	18	35	
1,2-Dichloropropane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	36.0	30.2	90	87	50-130	18	35	
1,3-Dichloropropane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.4	30.9	86	89	45-140	11	40	
1,3-Dichloropropane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.4	30.9	86	89	45-140	11	40	
2,2-Dichloropropane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	37.6	30.8	94	88	40-135	20	35	CIN
2,2-Dichloropropane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	37.6	30.8	94	88	40-135	20	35	CIN
1,1-Dichloropropene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.5	30.9	93	89	40-130	19	35	
1,1-Dichloropropene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.5	30.9	93	89	40-130	19	35	
cis-1,3-Dichloropropene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	30.0	25.6	75	74	35-115	16	40	
cis-1,3-Dichloropropene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	30.0	25.6	75	74	35-115	16	40	
trans-1,3-Dichloropropene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.7	27.1	79	78	35-130	15	40	
trans-1,3-Dichloropropene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.7	27.1	79	78	35-130	15	40	
Ethylbenzene	10H0882	0.544	40.1	ug/kg wet	N/A	10.0	30.7	25.9	75	73	30-125	17	40	
Ethylbenzene	10H0882	0.544	40.1	ug/kg wet	N/A	10.0	30.7	25.9	75	73	30-125	17	40	
Hexachlorobutadiene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	24.8	21.3	62	61	10-135	16	40	
Hexachlorobutadiene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	24.8	21.3	62	61	10-135	16	40	
Hexane	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	23.7	19.6	59	56	20-140	19	40	
Hexane	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	23.7	19.6	59	56	20-140	19	40	
Isopropylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.9	26.2	79	75	25-125	19	40	
Isopropylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.9	26.2	79	75	25-125	19	40	
p-Isopropyltoluene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	27.8	22.7	69	65	20-120	20	40	
p-Isopropyltoluene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	27.8	22.7	69	65	20-120	20	40	
Methylene Chloride	10H0882	2.62	40.1	ug/kg wet	N/A	100	37.2	30.8	86	81	35-145	19	35	
Methylene Chloride	10H0882	2.62	40.1	ug/kg wet	N/A	100	37.2	30.8	86	81	35-145	19	35	
Methyl tert-Butyl Ether	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.1	32.6	92	94	55-130	13	40	
Methyl tert-Butyl Ether	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.1	32.6	92	94	55-130	13	40	
Naphthalene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	26.1	20.5	65	59	15-130	24	40	
Naphthalene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	26.1	20.5	65	59	15-130	24	40	
n-Propylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	28.0	23.0	70	66	20-125	19	40	
n-Propylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	28.0	23.0	70	66	20-125	19	40	
Styrene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	26.2	22.0	65	63	20-125	17	40	
Styrene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	26.2	22.0	65	63	20-125	17	40	
1,1,1,2-Tetrachloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.3	29.3	86	84	45-120	16	35	
1,1,1,2-Tetrachloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.3	29.3	86	84	45-120	16	35	

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH0832-01														
1,1,2,2-Tetrachloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	33.4	29.7	83	85	40-125	12	40	
1,1,2,2-Tetrachloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	33.4	29.7	83	85	40-125	12	40	
Tetrachloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.9	26.7	79	77	30-125	18	40	
Tetrachloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.9	26.7	79	77	30-125	18	40	
Toluene	10H0882	0.786	40.1	ug/kg wet	N/A	10.0	33.1	27.5	81	77	35-130	19	40	
Toluene	10H0882	0.786	40.1	ug/kg wet	N/A	10.0	33.1	27.5	81	77	35-130	19	40	
1,2,3-Trichlorobenzene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	23.2	18.6	58	53	10-130	22	40	
1,2,3-Trichlorobenzene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	23.2	18.6	58	53	10-130	22	40	
1,2,4-Trichlorobenzene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	19.9	15.7	50	45	15-135	23	40	
1,2,4-Trichlorobenzene	10H0882	<50.2	40.1	ug/kg wet	N/A	50.2	19.9	15.7	50	45	15-135	23	40	
1,1,1-Trichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.5	31.0	93	89	45-125	19	35	
1,1,1-Trichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	37.5	31.0	93	89	45-125	19	35	
1,1,2-Trichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.3	29.8	88	86	45-135	17	40	
1,1,2-Trichloroethane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.3	29.8	88	86	45-135	17	40	
Trichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.3	29.6	88	85	40-130	17	35	
Trichloroethene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	35.3	29.6	88	85	40-130	17	35	
Trichlorofluoromethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	37.0	30.9	92	89	45-145	18	35	
Trichlorofluoromethane	10H0882	<40.1	40.1	ug/kg wet	N/A	40.1	37.0	30.9	92	89	45-145	18	35	
1,2,3-Trichloropropane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.9	29.6	87	85	50-145	16	40	
1,2,3-Trichloropropane	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	34.9	29.6	87	85	50-145	16	40	
1,2,4-Trimethylbenzene	10H0882	2.12	40.1	ug/kg wet	N/A	10.0	29.7	24.9	69	65	20-125	18	40	
1,2,4-Trimethylbenzene	10H0882	2.12	40.1	ug/kg wet	N/A	10.0	29.7	24.9	69	65	20-125	18	40	
1,3,5-Trimethylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.4	26.1	78	75	20-130	18	35	
1,3,5-Trimethylbenzene	10H0882	<10.0	40.1	ug/kg wet	N/A	10.0	31.4	26.1	78	75	20-130	18	35	
Vinyl chloride	10H0882	<30.1	40.1	ug/kg wet	N/A	30.1	36.1	30.8	90	88	40-140	16	40	
Vinyl chloride	10H0882	<30.1	40.1	ug/kg wet	N/A	30.1	36.1	30.8	90	88	40-140	16	40	
Xylenes, total	10H0882	2.74	120	ug/kg wet	N/A	30.1	97.7	80.7	79	75	30-130	19	40	
Xylenes, total	10H0882	2.74	120	ug/kg wet	N/A	30.1	97.7	80.7	79	75	30-130	19	40	
Surrogate: Dibromofluoromethane	*10H0882*			ug/L					*101*	*104*	*75-125*			
Surrogate: Dibromofluoromethane	*10H0882*			ug/L					*101*	*104*	*75-125*			
Surrogate: Toluene-d8	*10H0882*			ug/L					*98*	*97*	*80-120*			
Surrogate: Toluene-d8	*10H0882*			ug/L					*98*	*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0882*			ug/L					*100*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H0882*			ug/L					*100*	*101*	*80-120*			
QC Source Sample: CTH1403-01														
Acetone	10H1235	3.94	20.0	ug/L	N/A	N/A	26.7	25.7	114	109	45-150	4	35	
Acetone	10H1235	3.94	20.0	ug/L	N/A	N/A	26.7	25.7	114	109	45-150	4	35	
Acrylonitrile	10H1235	<10.0	20.0	ug/L	N/A	N/A	22.4	22.2	112	111	45-145	1	35	
Acrylonitrile	10H1235	<10.0	20.0	ug/L	N/A	N/A	22.4	22.2	112	111	45-145	1	35	
Benzene	10H1235	0.0600	20.0	ug/L	N/A	N/A	20.7	20.7	103	103	50-130	0	20	
Benzene	10H1235	0.0600	20.0	ug/L	N/A	N/A	20.7	20.7	103	103	50-130	0	20	
Bromobenzene	10H1235	<1.00	20.0	ug/L	N/A	N/A	28.0	24.6	140	123	60-135	13	15	M1
Bromobenzene	10H1235	<1.00	20.0	ug/L	N/A	N/A	28.0	24.6	140	123	60-135	13	15	M1
Bromochloromethane	10H1235	0.0400	20.0	ug/L	N/A	N/A	23.4	24.5	117	122	55-145	4	25	
Bromochloromethane	10H1235	0.0400	20.0	ug/L	N/A	N/A	23.4	24.5	117	122	55-145	4	25	
Bromodichloromethane	10H1235	<1.00	20.0	ug/L	N/A	N/A	24.7	26.1	123	130	50-130	6	15	C9,CIN
Bromodichloromethane	10H1235	<1.00	20.0	ug/L	N/A	N/A	24.7	26.1	123	130	50-130	6	15	C9,CIN

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH1403-01														
Bromoform	10H1235	0.0400	20.0	ug/L	N/A	N/A	27.7	25.1	138	125	30-125	10	25	C9,CIN,M1
Bromoform	10H1235	0.0400	20.0	ug/L	N/A	N/A	27.7	25.1	138	125	30-125	10	25	C9,CIN,M1
Bromomethane	10H1235	<4.00	20.0	ug/L	N/A	N/A	14.2	13.4	71	67	30-130	7	35	
Bromomethane	10H1235	<4.00	20.0	ug/L	N/A	N/A	14.2	13.4	71	67	30-130	7	35	
2-Butanone (MEK)	10H1235	0.250	20.0	ug/L	N/A	N/A	26.7	26.2	132	130	45-140	2	35	
2-Butanone (MEK)	10H1235	0.250	20.0	ug/L	N/A	N/A	26.7	26.2	132	130	45-140	2	35	
n-Butylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	21.4	22.9	107	115	40-135	7	20	
n-Butylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	21.4	22.9	107	115	40-135	7	20	
sec-Butylbenzene	10H1235	0.0200	20.0	ug/L	N/A	N/A	20.8	22.4	104	112	40-135	7	20	
sec-Butylbenzene	10H1235	0.0200	20.0	ug/L	N/A	N/A	20.8	22.4	104	112	40-135	7	20	
tert-Butylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	21.0	23.1	105	116	40-135	10	20	
tert-Butylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	21.0	23.1	105	116	40-135	10	20	
Carbon disulfide	10H1235	0.0500	20.0	ug/L	N/A	N/A	18.7	17.7	93	88	30-130	5	30	
Carbon disulfide	10H1235	0.0500	20.0	ug/L	N/A	N/A	18.7	17.7	93	88	30-130	5	30	
Carbon Tetrachloride	10H1235	0.180	20.0	ug/L	N/A	N/A	19.4	20.0	96	99	35-130	3	20	
Carbon Tetrachloride	10H1235	0.180	20.0	ug/L	N/A	N/A	19.4	20.0	96	99	35-130	3	20	
Chlorobenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	23.1	23.2	115	116	60-130	0	15	
Chlorobenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	23.1	23.2	115	116	60-130	0	15	
Chlorodibromomethane	10H1235	0.0200	20.0	ug/L	N/A	N/A	22.4	23.0	112	115	35-130	3	20	CIN
Chlorodibromomethane	10H1235	0.0200	20.0	ug/L	N/A	N/A	22.4	23.0	112	115	35-130	3	20	CIN
Chloroethane	10H1235	0.330	20.0	ug/L	N/A	N/A	19.6	19.5	96	96	40-135	1	20	
Chloroethane	10H1235	0.330	20.0	ug/L	N/A	N/A	19.6	19.5	96	96	40-135	1	20	
Chloroform	10H1235	0.0300	20.0	ug/L	N/A	N/A	20.1	20.7	100	103	55-125	3	15	
Chloroform	10H1235	0.0300	20.0	ug/L	N/A	N/A	20.1	20.7	100	103	55-125	3	15	
Chloromethane	10H1235	0.360	20.0	ug/L	N/A	N/A	13.8	13.3	67	65	25-125	3	25	
Chloromethane	10H1235	0.360	20.0	ug/L	N/A	N/A	13.8	13.3	67	65	25-125	3	25	
2-Chlorotoluene	10H1235	0.0300	20.0	ug/L	N/A	N/A	27.2	24.3	136	121	55-140	11	20	
2-Chlorotoluene	10H1235	0.0300	20.0	ug/L	N/A	N/A	27.2	24.3	136	121	55-140	11	20	
4-Chlorotoluene	10H1235	0.0200	20.0	ug/L	N/A	N/A	27.7	24.0	138	120	50-140	14	20	
4-Chlorotoluene	10H1235	0.0200	20.0	ug/L	N/A	N/A	27.7	24.0	138	120	50-140	14	20	
1,2-Dibromo-3-chloropropane	10H1235	0.180	20.0	ug/L	N/A	N/A	30.0	29.0	149	144	35-130	3	30	L1,M1
1,2-Dibromo-3-chloropropane	10H1235	0.180	20.0	ug/L	N/A	N/A	30.0	29.0	149	144	35-130	3	30	L1,M1
1,2-Dibromoethane (EDB)	10H1235	<10.0	20.0	ug/L	N/A	N/A	24.0	26.1	120	131	55-140	9	20	
1,2-Dibromoethane (EDB)	10H1235	<10.0	20.0	ug/L	N/A	N/A	24.0	26.1	120	131	55-140	9	20	
Dibromomethane	10H1235	0.0300	20.0	ug/L	N/A	N/A	23.2	23.3	116	116	60-135	1	15	
Dibromomethane	10H1235	0.0300	20.0	ug/L	N/A	N/A	23.2	23.3	116	116	60-135	1	15	
1,2-Dichlorobenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	25.5	26.3	127	132	55-140	3	20	
1,2-Dichlorobenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	25.5	26.3	127	132	55-140	3	20	
1,3-Dichlorobenzene	10H1235	0.0200	20.0	ug/L	N/A	N/A	24.5	25.6	123	128	55-135	4	15	
1,3-Dichlorobenzene	10H1235	0.0200	20.0	ug/L	N/A	N/A	24.5	25.6	123	128	55-135	4	15	
1,4-Dichlorobenzene	10H1235	0.0500	20.0	ug/L	N/A	N/A	24.0	25.1	120	125	55-140	4	15	
1,4-Dichlorobenzene	10H1235	0.0500	20.0	ug/L	N/A	N/A	24.0	25.1	120	125	55-140	4	15	
Dichlorodifluoromethane	10H1235	1.30	20.0	ug/L	N/A	N/A	12.7	13.0	57	58	15-130	2	25	
Dichlorodifluoromethane	10H1235	1.30	20.0	ug/L	N/A	N/A	12.7	13.0	57	58	15-130	2	25	
1,1-Dichloroethane	10H1235	0.180	20.0	ug/L	N/A	N/A	20.2	20.6	100	102	50-130	2	25	
1,1-Dichloroethane	10H1235	0.180	20.0	ug/L	N/A	N/A	20.2	20.6	100	102	50-130	2	25	
1,2-Dichloroethane	10H1235	0.440	20.0	ug/L	N/A	N/A	21.8	22.4	107	110	55-140	3	15	

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH1403-01														
1,2-Dichloroethane	10H1235	0.440	20.0	ug/L	N/A	N/A	21.8	22.4	107	110	55-140	3	15	
1,1-Dichloroethene	10H1235	0.0900	20.0	ug/L	N/A	N/A	18.9	18.8	94	94	35-135	1	30	
1,1-Dichloroethene	10H1235	0.0900	20.0	ug/L	N/A	N/A	18.9	18.8	94	94	35-135	1	30	
cis-1,2-Dichloroethene	10H1235	69.6	20.0	ug/L	N/A	N/A	87.0	88.6	87	95	45-135	2	20	
cis-1,2-Dichloroethene	10H1235	69.6	20.0	ug/L	N/A	N/A	87.0	88.6	87	95	45-135	2	20	
trans-1,2-Dichloroethene	10H1235	0.220	20.0	ug/L	N/A	N/A	19.7	20.3	97	100	45-145	3	35	
trans-1,2-Dichloroethene	10H1235	0.220	20.0	ug/L	N/A	N/A	19.7	20.3	97	100	45-145	3	35	
1,2-Dichloropropane	10H1235	<1.00	20.0	ug/L	N/A	N/A	21.9	22.5	109	112	55-130	3	15	
1,2-Dichloropropane	10H1235	<1.00	20.0	ug/L	N/A	N/A	21.9	22.5	109	112	55-130	3	15	
1,3-Dichloropropane	10H1235	0.0100	20.0	ug/L	N/A	N/A	24.7	24.8	123	124	60-135	1	15	
1,3-Dichloropropane	10H1235	0.0100	20.0	ug/L	N/A	N/A	24.7	24.8	123	124	60-135	1	15	
2,2-Dichloropropane	10H1235	<4.00	20.0	ug/L	N/A	N/A	21.6	21.6	108	108	20-120	0	35	
2,2-Dichloropropane	10H1235	<4.00	20.0	ug/L	N/A	N/A	21.6	21.6	108	108	20-120	0	35	
1,1-Dichloropropene	10H1235	<1.00	20.0	ug/L	N/A	N/A	20.6	20.7	103	103	40-140	0	20	
1,1-Dichloropropene	10H1235	<1.00	20.0	ug/L	N/A	N/A	20.6	20.7	103	103	40-140	0	20	
cis-1,3-Dichloropropene	10H1235	<5.00	20.0	ug/L	N/A	N/A	19.2	20.2	96	101	25-120	5	20	CIN
cis-1,3-Dichloropropene	10H1235	<5.00	20.0	ug/L	N/A	N/A	19.2	20.2	96	101	25-120	5	20	CIN
trans-1,3-Dichloropropene	10H1235	0.0200	20.0	ug/L	N/A	N/A	19.6	20.7	98	103	25-120	5	20	CIN
trans-1,3-Dichloropropene	10H1235	0.0200	20.0	ug/L	N/A	N/A	19.6	20.7	98	103	25-120	5	20	CIN
Ethylbenzene	10H1235	5.46	20.0	ug/L	N/A	N/A	28.5	27.6	115	111	45-135	3	20	
Ethylbenzene	10H1235	5.46	20.0	ug/L	N/A	N/A	28.5	27.6	115	111	45-135	3	20	
Hexachlorobutadiene	10H1235	<5.00	20.0	ug/L	N/A	N/A	23.2	23.4	116	117	40-135	1	30	
Hexachlorobutadiene	10H1235	<5.00	20.0	ug/L	N/A	N/A	23.2	23.4	116	117	40-135	1	30	
Hexane	10H1235	<1.00	20.0	ug/L	N/A	N/A	22.0	22.8	110	114	25-135	4	35	
Hexane	10H1235	<1.00	20.0	ug/L	N/A	N/A	22.0	22.8	110	114	25-135	4	35	
Isopropylbenzene	10H1235	0.720	20.0	ug/L	N/A	N/A	21.9	20.6	106	100	45-125	6	15	
Isopropylbenzene	10H1235	0.720	20.0	ug/L	N/A	N/A	21.9	20.6	106	100	45-125	6	15	
p-Isopropyltoluene	10H1235	<1.00	20.0	ug/L	N/A	N/A	21.6	23.5	108	118	40-140	9	20	
p-Isopropyltoluene	10H1235	<1.00	20.0	ug/L	N/A	N/A	21.6	23.5	108	118	40-140	9	20	
4-Methyl-2-pentanone (MIBK)	10H1235	<10.0	20.0	ug/L	N/A	N/A	24.6	25.5	123	128	40-135	4	20	
4-Methyl-2-pentanone (MIBK)	10H1235	<10.0	20.0	ug/L	N/A	N/A	24.6	25.5	123	128	40-135	4	20	
Methylene Chloride	10H1235	0.150	20.0	ug/L	N/A	N/A	18.1	18.8	90	93	45-145	4	30	
Methylene Chloride	10H1235	0.150	20.0	ug/L	N/A	N/A	18.1	18.8	90	93	45-145	4	30	
Methyl tert-Butyl Ether	10H1235	18.3	20.0	ug/L	N/A	N/A	41.7	42.3	117	120	40-135	1	25	
Methyl tert-Butyl Ether	10H1235	18.3	20.0	ug/L	N/A	N/A	41.7	42.3	117	120	40-135	1	25	
Naphthalene	10H1235	0.0100	20.0	ug/L	N/A	N/A	26.7	28.8	133	144	40-135	7	20	M1
Naphthalene	10H1235	0.0100	20.0	ug/L	N/A	N/A	26.7	28.8	133	144	40-135	7	20	M1
n-Propylbenzene	10H1235	0.460	20.0	ug/L	N/A	N/A	25.7	23.6	126	116	45-140	9	20	
n-Propylbenzene	10H1235	0.460	20.0	ug/L	N/A	N/A	25.7	23.6	126	116	45-140	9	20	
Styrene	10H1235	6.41	20.0	ug/L	N/A	N/A	33.8	31.0	137	123	40-135	9	20	M1
Styrene	10H1235	6.41	20.0	ug/L	N/A	N/A	33.8	31.0	137	123	40-135	9	20	M1
1,1,1,2-Tetrachloroethane	10H1235	<1.00	20.0	ug/L	N/A	N/A	24.8	26.3	124	132	50-130	6	20	CIN,M1
1,1,1,2-Tetrachloroethane	10H1235	<1.00	20.0	ug/L	N/A	N/A	24.8	26.3	124	132	50-130	6	20	CIN,M1
1,1,2,2-Tetrachloroethane	10H1235	0.0200	20.0	ug/L	N/A	N/A	32.7	28.1	163	140	55-140	15	20	M1
1,1,2,2-Tetrachloroethane	10H1235	0.0200	20.0	ug/L	N/A	N/A	32.7	28.1	163	140	55-140	15	20	M1
Tetrachloroethene	10H1235	0.0700	20.0	ug/L	N/A	N/A	21.2	22.1	106	110	40-135	4	20	
Tetrachloroethene	10H1235	0.0700	20.0	ug/L	N/A	N/A	21.2	22.1	106	110	40-135	4	20	

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CTH1403-01														
Toluene	10H1235	0.230	20.0	ug/L	N/A	N/A	21.0	21.7	104	108	45-135	3	20	
Toluene	10H1235	0.230	20.0	ug/L	N/A	N/A	21.0	21.7	104	108	45-135	3	20	
1,2,3-Trichlorobenzene	10H1235	0.0200	20.0	ug/L	N/A	N/A	25.3	28.4	126	142	50-140	12	25	M1
1,2,3-Trichlorobenzene	10H1235	0.0200	20.0	ug/L	N/A	N/A	25.3	28.4	126	142	50-140	12	25	M1
1,2,4-Trichlorobenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	23.3	26.5	117	133	40-135	13	25	
1,2,4-Trichlorobenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	23.3	26.5	117	133	40-135	13	25	
1,1,1-Trichloroethane	10H1235	<1.00	20.0	ug/L	N/A	N/A	20.4	20.7	102	103	40-125	2	20	CIN
1,1,1-Trichloroethane	10H1235	<1.00	20.0	ug/L	N/A	N/A	20.4	20.7	102	103	40-125	2	20	CIN
1,1,2-Trichloroethane	10H1235	0.0300	20.0	ug/L	N/A	N/A	24.7	25.4	123	127	60-130	3	15	
1,1,2-Trichloroethane	10H1235	0.0300	20.0	ug/L	N/A	N/A	24.7	25.4	123	127	60-130	3	15	
Trichloroethene	10H1235	19.3	20.0	ug/L	N/A	N/A	37.8	38.2	93	95	50-130	1	20	
Trichloroethene	10H1235	19.3	20.0	ug/L	N/A	N/A	37.8	38.2	93	95	50-130	1	20	
Trichlorofluoromethane	10H1235	0.0100	20.0	ug/L	N/A	N/A	19.6	20.2	98	101	40-145	3	25	
Trichlorofluoromethane	10H1235	0.0100	20.0	ug/L	N/A	N/A	19.6	20.2	98	101	40-145	3	25	
1,2,3-Trichloropropane	10H1235	0.0300	20.0	ug/L	N/A	N/A	31.1	28.5	155	142	55-150	9	20	M1
1,2,3-Trichloropropane	10H1235	0.0300	20.0	ug/L	N/A	N/A	31.1	28.5	155	142	55-150	9	20	M1
1,2,4-Trimethylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	26.9	23.9	134	119	45-140	12	20	
1,2,4-Trimethylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	26.9	23.9	134	119	45-140	12	20	
1,3,5-Trimethylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	26.6	23.8	133	119	45-140	11	20	
1,3,5-Trimethylbenzene	10H1235	0.0100	20.0	ug/L	N/A	N/A	26.6	23.8	133	119	45-140	11	20	
Vinyl chloride	10H1235	1.64	20.0	ug/L	N/A	N/A	19.1	19.2	87	88	30-135	0	20	
Vinyl chloride	10H1235	1.64	20.0	ug/L	N/A	N/A	19.1	19.2	87	88	30-135	0	20	
Xylenes, total	10H1235	<3.00	60.0	ug/L	N/A	N/A	73.5	68.0	123	113	40-135	8	20	
Xylenes, total	10H1235	<3.00	60.0	ug/L	N/A	N/A	73.5	68.0	123	113	40-135	8	20	
Surrogate: Dibromofluoromethane	*10H1235*			ug/L					*102*	*103*	*75-120*			
Surrogate: Dibromofluoromethane	*10H1235*			ug/L					*102*	*103*	*75-120*			
Surrogate: Toluene-d8	*10H1235*			ug/L					*96*	*101*	*80-120*			
Surrogate: Toluene-d8	*10H1235*			ug/L					*96*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10H1235*			ug/L					*111*	*102*	*80-110*			Z6
Surrogate: 4-Bromofluorobenzene	*10H1235*			ug/L					*111*	*102*	*80-110*			Z6
Semivolatile Organics by GC/MS														
QC Source Sample: CTH0902-02														
Acenaphthene	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.67	2.72	74	74	40-125	2	30	
Acenaphthene	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.67	2.72	74	74	40-125	2	30	
Acenaphthylene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.77	2.84	77	78	30-125	2	40	
Acenaphthylene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.77	2.84	77	78	30-125	2	40	
Anthracene	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	4.30	4.34	119	119	15-100	1	30	M1
Anthracene	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	4.30	4.34	119	119	15-100	1	30	M1
Benzidine	10H0780	<0.00889	3.62	mg/kg dry	0.00889	3.67	1.82	1.76	50	48	5-100	3	40	J
Benzidine	10H0780	<0.00889	3.62	mg/kg dry	0.00889	3.67	1.82	1.76	50	48	5-100	3	40	J
Benzo (a) anthracene	10H0780	<0.0122	3.62	mg/kg dry	0.0122	0.367	3.17	3.21	88	88	40-135	1	40	
Benzo (a) anthracene	10H0780	<0.0122	3.62	mg/kg dry	0.0122	0.367	3.17	3.21	88	88	40-135	1	40	
Benzo (b) fluoranthene	10H0780	<0.0167	3.62	mg/kg dry	0.0167	0.367	2.90	2.94	80	81	40-140	1	40	
Benzo (b) fluoranthene	10H0780	<0.0167	3.62	mg/kg dry	0.0167	0.367	2.90	2.94	80	81	40-140	1	40	
Benzo (k) fluoranthene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	3.08	3.06	85	84	35-130	1	40	
Benzo (k) fluoranthene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	3.08	3.06	85	84	35-130	1	40	

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Received: 08/18/10
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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
QC Source Sample: CTH0902-02														
Benzo (a) pyrene	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	3.18	3.20	88	88	50-145	1	40	
Benzo (a) pyrene	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	3.18	3.20	88	88	50-145	1	40	
Benzo (g,h,i) perylene	10H0780	<0.0178	3.62	mg/kg dry	0.0178	0.367	3.05	3.13	84	86	35-130	3	40	
Benzo (g,h,i) perylene	10H0780	<0.0178	3.62	mg/kg dry	0.0178	0.367	3.05	3.13	84	86	35-130	3	40	
Benzyl alcohol	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.56	2.55	71	70	20-115	1	40	
Benzyl alcohol	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.56	2.55	71	70	20-115	1	40	
Butyl benzyl phthalate	10H0780	<0.0222	3.62	mg/kg dry	0.0222	0.367	2.91	2.98	80	82	40-135	2	30	
Butyl benzyl phthalate	10H0780	<0.0222	3.62	mg/kg dry	0.0222	0.367	2.91	2.98	80	82	40-135	2	30	
Bis(2-chloroethyl)ether	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.58	2.54	71	70	30-105	2	40	
Bis(2-chloroethyl)ether	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.58	2.54	71	70	30-105	2	40	
Bis(2-chloroethoxy)methane	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.56	2.53	71	69	35-110	1	40	
Bis(2-chloroethoxy)methane	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.56	2.53	71	69	35-110	1	40	
Bis(2-ethylhexyl)phthalate	10H0780	<0.0233	3.62	mg/kg dry	0.0233	0.367	3.13	3.09	87	85	40-135	1	30	
Bis(2-ethylhexyl)phthalate	10H0780	<0.0233	3.62	mg/kg dry	0.0233	0.367	3.13	3.09	87	85	40-135	1	30	
Bis(2-chloroisopropyl) ether	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.39	2.44	66	67	30-105	2	40	
Bis(2-chloroisopropyl) ether	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.39	2.44	66	67	30-105	2	40	
4-Bromophenyl phenyl ether	10H0780	<0.0189	3.62	mg/kg dry	0.0189	0.367	2.83	2.87	78	79	40-125	1	30	
4-Bromophenyl phenyl ether	10H0780	<0.0189	3.62	mg/kg dry	0.0189	0.367	2.83	2.87	78	79	40-125	1	30	
Carbazole	10H0780	<0.0144	3.62	mg/kg dry	0.0144	0.367	3.02	2.94	83	81	40-135	3	40	
Carbazole	10H0780	<0.0144	3.62	mg/kg dry	0.0144	0.367	3.02	2.94	83	81	40-135	3	40	
4-Chloroaniline	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.47	2.48	68	68	20-115	0	40	
4-Chloroaniline	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.47	2.48	68	68	20-115	0	40	
2-Chloronaphthalene	10H0780	<0.0122	3.62	mg/kg dry	0.0122	0.367	2.58	2.63	71	72	40-115	2	30	
2-Chloronaphthalene	10H0780	<0.0122	3.62	mg/kg dry	0.0122	0.367	2.58	2.63	71	72	40-115	2	30	
4-Chlorophenyl phenyl ether	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.77	2.84	76	78	40-120	3	30	
4-Chlorophenyl phenyl ether	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.77	2.84	76	78	40-120	3	30	
Chrysene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	3.03	3.06	84	84	45-140	1	30	
Chrysene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	3.03	3.06	84	84	45-140	1	30	
Dibenzo (a,h) anthracene	10H0780	<0.0211	3.62	mg/kg dry	0.0211	0.367	3.04	3.14	84	86	40-135	3	40	
Dibenzo (a,h) anthracene	10H0780	<0.0211	3.62	mg/kg dry	0.0211	0.367	3.04	3.14	84	86	40-135	3	40	
Dibenzofuran	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.70	2.77	75	76	40-125	3	30	
Dibenzofuran	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.70	2.77	75	76	40-125	3	30	
Di-n-butyl phthalate	10H0780	<0.0222	3.62	mg/kg dry	0.0222	0.367	2.95	2.92	81	80	45-125	1	30	
Di-n-butyl phthalate	10H0780	<0.0222	3.62	mg/kg dry	0.0222	0.367	2.95	2.92	81	80	45-125	1	30	
1,2-Dichlorobenzene	10H0780	0.0351	3.62	mg/kg dry	0.0100	0.367	2.12	2.36	57	64	25-95	11	35	
1,2-Dichlorobenzene	10H0780	0.0351	3.62	mg/kg dry	0.0100	0.367	2.12	2.36	57	64	25-95	11	35	
1,3-Dichlorobenzene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.05	2.27	57	62	20-95	10	40	
1,3-Dichlorobenzene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.05	2.27	57	62	20-95	10	40	
1,4-Dichlorobenzene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.10	2.29	58	63	25-100	9	40	
1,4-Dichlorobenzene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.10	2.29	58	63	25-100	9	40	
3,3'-Dichlorobenzidine	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	3.09	3.16	85	87	20-130	2	40	
3,3'-Dichlorobenzidine	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	3.09	3.16	85	87	20-130	2	40	
Diethyl phthalate	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.96	2.98	82	82	40-130	1	30	
Diethyl phthalate	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.96	2.98	82	82	40-130	1	30	
Dimethyl phthalate	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.93	2.97	81	81	45-125	2	30	
Dimethyl phthalate	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.93	2.97	81	81	45-125	2	30	
2,4-Dinitrotoluene	10H0780	<0.0200	3.62	mg/kg dry	0.0200	0.367	3.05	3.06	84	84	40-140	1	35	

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Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
QC Source Sample: CTH0902-02														
2,4-Dinitrotoluene	10H0780	<0.0200	3.62	mg/kg dry	0.0200	0.367	3.05	3.06	84	84	40-140	1	35	
2,6-Dinitrotoluene	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.98	2.92	82	80	40-140	2	40	
2,6-Dinitrotoluene	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.98	2.92	82	80	40-140	2	40	
Di-n-octyl phthalate	10H0780	<0.0411	3.62	mg/kg dry	0.0411	0.367	3.16	3.16	87	87	40-135	0	40	
Di-n-octyl phthalate	10H0780	<0.0411	3.62	mg/kg dry	0.0411	0.367	3.16	3.16	87	87	40-135	0	40	
Fluoranthene	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	3.00	2.96	83	81	40-135	1	35	
Fluoranthene	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	3.00	2.96	83	81	40-135	1	35	
Fluorene	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.91	2.96	80	81	40-130	2	35	
Fluorene	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.91	2.96	80	81	40-130	2	35	
Hexachlorobenzene	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.93	2.93	81	80	45-125	0	30	
Hexachlorobenzene	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.93	2.93	81	80	45-125	0	30	
Hexachlorobutadiene	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.19	2.36	61	65	25-105	7	40	
Hexachlorobutadiene	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.19	2.36	61	65	25-105	7	40	
Hexachlorocyclopentadiene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.734	2.28	2.38	63	65	10-115	4	40	
Hexachlorocyclopentadiene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.734	2.28	2.38	63	65	10-115	4	40	
Hexachloroethane	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.03	2.21	56	60	15-110	9	35	
Hexachloroethane	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.03	2.21	56	60	15-110	9	35	
Indeno (1,2,3-cd) pyrene	10H0780	<0.0167	3.62	mg/kg dry	0.0167	0.367	3.04	3.09	84	85	35-130	2	40	
Indeno (1,2,3-cd) pyrene	10H0780	<0.0167	3.62	mg/kg dry	0.0167	0.367	3.04	3.09	84	85	35-130	2	40	
Isophorone	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.62	2.62	72	72	35-100	0	30	
Isophorone	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.62	2.62	72	72	35-100	0	30	
2-Methylnaphthalene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.44	2.51	68	69	30-120	3	30	
2-Methylnaphthalene	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.44	2.51	68	69	30-120	3	30	
Naphthalene	10H0780	<0.288	3.62	mg/kg dry	0.288	0.367	2.37	2.47	66	68	30-110	4	30	
Naphthalene	10H0780	<0.288	3.62	mg/kg dry	0.288	0.367	2.37	2.47	66	68	30-110	4	30	
2-Nitroaniline	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.92	2.96	81	81	35-135	1	40	
2-Nitroaniline	10H0780	<0.0156	3.62	mg/kg dry	0.0156	0.367	2.92	2.96	81	81	35-135	1	40	
3-Nitroaniline	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.94	2.98	81	82	30-135	1	40	
3-Nitroaniline	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.94	2.98	81	82	30-135	1	40	
4-Nitroaniline	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.81	2.73	78	75	35-135	3	40	
4-Nitroaniline	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.81	2.73	78	75	35-135	3	40	
Nitrobenzene	10H0780	<0.0122	3.62	mg/kg dry	0.0122	0.367	2.47	2.45	68	67	30-105	1	35	
Nitrobenzene	10H0780	<0.0122	3.62	mg/kg dry	0.0122	0.367	2.47	2.45	68	67	30-105	1	35	
N-Nitrosodimethylamine	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.59	2.46	71	67	20-105	5	40	
N-Nitrosodimethylamine	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.59	2.46	71	67	20-105	5	40	
N-Nitrosodiphenylamine	10H0780	<0.0144	3.62	mg/kg dry	0.0144	0.367	2.72	2.71	75	74	35-130	1	40	
N-Nitrosodiphenylamine	10H0780	<0.0144	3.62	mg/kg dry	0.0144	0.367	2.72	2.71	75	74	35-130	1	40	
N-Nitrosodi-n-propylamine	10H0780	<0.0756	3.62	mg/kg dry	0.0756	0.367	2.58	2.59	71	71	30-110	0	35	
N-Nitrosodi-n-propylamine	10H0780	<0.0756	3.62	mg/kg dry	0.0756	0.367	2.58	2.59	71	71	30-110	0	35	
Phenanthrene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.99	3.00	83	82	45-130	0	40	
Phenanthrene	10H0780	<0.0133	3.62	mg/kg dry	0.0133	0.367	2.99	3.00	83	82	45-130	0	40	
Pyrene	10H0780	<0.0144	3.62	mg/kg dry	0.0144	0.367	3.06	3.11	85	85	40-135	1	40	
Pyrene	10H0780	<0.0144	3.62	mg/kg dry	0.0144	0.367	3.06	3.11	85	85	40-135	1	40	
Pyridine	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.38	2.34	66	64	10-100	2	40	
Pyridine	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.38	2.34	66	64	10-100	2	40	
1,2,4-Trichlorobenzene	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.29	2.39	63	65	30-110	4	35	
1,2,4-Trichlorobenzene	10H0780	<0.00778	3.62	mg/kg dry	0.00778	0.367	2.29	2.39	63	65	30-110	4	35	

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Semivolatile Organics by GC/MS														
QC Source Sample: CTH0902-02														
Benzoic acid	10H0780	<0.489	3.62	mg/kg dry	0.489	0.734	<0.489	<0.489			10-85		40	L1
Benzoic acid	10H0780	<0.489	3.62	mg/kg dry	0.489	0.734	<0.489	<0.489			10-85		40	L1
4-Chloro-3-methylphenol	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.81	2.84	78	78	45-115	1	30	
4-Chloro-3-methylphenol	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.81	2.84	78	78	45-115	1	30	
2-Chlorophenol	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.57	2.58	71	71	35-105	1	35	
2-Chlorophenol	10H0780	<0.0111	3.62	mg/kg dry	0.0111	0.367	2.57	2.58	71	71	35-105	1	35	
Cresol(s)	10H0780	<0.278	7.24	mg/kg dry	0.278	0.367	6.14	6.11	85	84	40-115	0	30	
Cresol(s)	10H0780	<0.278	7.24	mg/kg dry	0.278	0.367	6.14	6.11	85	84	40-115	0	30	
2,4-Dichlorophenol	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.65	2.69	73	74	45-110	1	30	
2,4-Dichlorophenol	10H0780	<0.0100	3.62	mg/kg dry	0.0100	0.367	2.65	2.69	73	74	45-110	1	30	
2,4-Dimethylphenol	10H0780	<0.0167	3.62	mg/kg dry	0.0167	0.367	2.33	2.34	64	64	35-105	0	35	
2,4-Dimethylphenol	10H0780	<0.0167	3.62	mg/kg dry	0.0167	0.367	2.33	2.34	64	64	35-105	0	35	
2,4-Dinitrophenol	10H0780	<0.0789	3.62	mg/kg dry	0.0789	0.734	1.53	1.88	42	52	35-130	20	40	
2,4-Dinitrophenol	10H0780	<0.0789	3.62	mg/kg dry	0.0789	0.734	1.53	1.88	42	52	35-130	20	40	
4,6-Dinitro-2-methylphenol	10H0780	0.0177	3.62	mg/kg dry	0.00889	0.367	3.05	3.17	84	86	30-145	4	40	
4,6-Dinitro-2-methylphenol	10H0780	0.0177	3.62	mg/kg dry	0.00889	0.367	3.05	3.17	84	86	30-145	4	40	
2-Methylphenol (o-Cresol)	10H0780	<0.286	3.62	mg/kg dry	0.286	0.367	3.55	3.50	98	96	40-110	1	25	
2-Methylphenol (o-Cresol)	10H0780	<0.286	3.62	mg/kg dry	0.286	0.367	3.55	3.50	98	96	40-110	1	25	
4-Methylphenol (p-Cresol)	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.58	2.61	71	72	35-125	1	30	
4-Methylphenol (p-Cresol)	10H0780	<0.00889	3.62	mg/kg dry	0.00889	0.367	2.58	2.61	71	72	35-125	1	30	
2-Nitrophenol	10H0780	<0.0256	3.62	mg/kg dry	0.0256	0.367	2.64	2.70	73	74	30-115	2	40	
2-Nitrophenol	10H0780	<0.0256	3.62	mg/kg dry	0.0256	0.367	2.64	2.70	73	74	30-115	2	40	
4-Nitrophenol	10H0780	<0.0178	3.62	mg/kg dry	0.0178	0.367	2.84	2.79	79	77	35-140	2	40	
4-Nitrophenol	10H0780	<0.0178	3.62	mg/kg dry	0.0178	0.367	2.84	2.79	79	77	35-140	2	40	
Pentachlorophenol	10H0780	<0.267	3.62	mg/kg dry	0.267	0.367	2.70	2.63	75	72	35-130	3	30	
Pentachlorophenol	10H0780	<0.267	3.62	mg/kg dry	0.267	0.367	2.70	2.63	75	72	35-130	3	30	
Phenol	10H0780	<0.267	3.62	mg/kg dry	0.267	0.367	2.58	2.58	71	71	35-105	0	30	
Phenol	10H0780	<0.267	3.62	mg/kg dry	0.267	0.367	2.58	2.58	71	71	35-105	0	30	
2,4,5-Trichlorophenol	10H0780	<0.0178	3.62	mg/kg dry	0.0178	0.367	2.88	2.99	80	82	45-125	4	30	
2,4,5-Trichlorophenol	10H0780	<0.0178	3.62	mg/kg dry	0.0178	0.367	2.88	2.99	80	82	45-125	4	30	
2,4,6-Trichlorophenol	10H0780	<0.0222	3.62	mg/kg dry	0.0222	0.367	2.83	2.85	78	78	40-120	1	30	
2,4,6-Trichlorophenol	10H0780	<0.0222	3.62	mg/kg dry	0.0222	0.367	2.83	2.85	78	78	40-120	1	30	
Surrogate: Nitrobenzene-d5	*10H0780*			mg/kg dry					*71*	*72*	*35-105*			
Surrogate: Nitrobenzene-d5	*10H0780*			mg/kg dry					*71*	*72*	*35-105*			
Surrogate: 2-Fluorobiphenyl	*10H0780*			mg/kg dry					*73*	*73*	*40-115*			
Surrogate: 2-Fluorobiphenyl	*10H0780*			mg/kg dry					*73*	*73*	*40-115*			
Surrogate: Terphenyl-d14	*10H0780*			mg/kg dry					*93*	*94*	*45-140*			
Surrogate: Terphenyl-d14	*10H0780*			mg/kg dry					*93*	*94*	*45-140*			
Surrogate: Phenol-d6	*10H0780*			mg/kg dry					*73*	*71*	*40-105*			
Surrogate: Phenol-d6	*10H0780*			mg/kg dry					*73*	*71*	*40-105*			
Surrogate: 2-Fluorophenol	*10H0780*			mg/kg dry					*70*	*69*	*30-100*			
Surrogate: 2-Fluorophenol	*10H0780*			mg/kg dry					*70*	*69*	*30-100*			
Surrogate: 2,4,6-Tribromophenol	*10H0780*			mg/kg dry					*86*	*86*	*45-135*			
Surrogate: 2,4,6-Tribromophenol	*10H0780*			mg/kg dry					*86*	*86*	*45-135*			
UST ANALYSIS PARAMETERS														
QC Source Sample: CTH0902-02														

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
UST ANALYSIS PARAMETERS														
QC Source Sample: CTH0902-02														
Gasoline	10H0749	3.56	64.9	mg/kg	N/A	10.0	35.2	38.2	49	52	10-100	8	40	
Gasoline	10H0749	3.56	64.9	mg/kg	N/A	10.0	35.2	38.2	49	52	10-100	8	40	
Surrogate: Octacosane	*10H0749*			mg/kg					*110*	*110*	*55-150*			
Surrogate: Octacosane	*10H0749*			mg/kg					*110*	*110*	*55-150*			
Organochlorine Pesticides by EPA Method 8081A														
QC Source Sample: CTH0902-01														
Aldrin	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	25.0	34.3	59	82	40-145	31	40	
Aldrin	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	25.0	34.3	59	82	40-145	31	40	
alpha-BHC	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	30.5	36.8	72	88	45-150	19	40	
alpha-BHC	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	30.5	36.8	72	88	45-150	19	40	
beta-BHC	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	34.2	38.5	81	92	45-150	12	40	
beta-BHC	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	34.2	38.5	81	92	45-150	12	40	
delta-BHC	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	34.4	39.3	81	94	50-150	13	40	
delta-BHC	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	34.4	39.3	81	94	50-150	13	40	
gamma-BHC (Lindane)	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	31.8	37.1	75	89	45-150	15	40	
gamma-BHC (Lindane)	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	31.8	37.1	75	89	45-150	15	40	
alpha-Chlordane	10H0718	7.04	42.3	ug/kg dry	N/A	13.4	30.5	42.8	56	85	45-145	34	40	
alpha-Chlordane	10H0718	7.04	42.3	ug/kg dry	N/A	13.4	30.5	42.8	56	85	45-145	34	40	
gamma-Chlordane	10H0718	2.42	42.3	ug/kg dry	N/A	13.4	26.7	35.8	57	80	45-150	29	40	
gamma-Chlordane	10H0718	2.42	42.3	ug/kg dry	N/A	13.4	26.7	35.8	57	80	45-150	29	40	
Dieldrin	10H0718	1.58	42.3	ug/kg dry	N/A	13.4	28.5	36.7	64	84	50-150	25	40	
Dieldrin	10H0718	1.58	42.3	ug/kg dry	N/A	13.4	28.5	36.7	64	84	50-150	25	40	
4,4'-DDD	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	27.4	35.7	65	85	50-150	27	40	
4,4'-DDD	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	27.4	35.7	65	85	50-150	27	40	
4,4'-DDE	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	26.5	35.4	63	85	45-145	29	40	
4,4'-DDE	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	26.5	35.4	63	85	45-145	29	40	
4,4'-DDT	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	25.5	35.5	60	85	45-150	33	40	
4,4'-DDT	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	25.5	35.5	60	85	45-150	33	40	
Endosulfan I	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	22.3	28.2	53	67	45-150	24	40	
Endosulfan I	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	22.3	28.2	53	67	45-150	24	40	
Endosulfan II	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	25.6	31.3	60	75	40-150	20	40	
Endosulfan II	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	25.6	31.3	60	75	40-150	20	40	
Endosulfan sulfate	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	31.5	38.2	75	91	45-150	19	40	
Endosulfan sulfate	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	31.5	38.2	75	91	45-150	19	40	
Endrin	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	28.9	37.6	68	90	55-150	26	40	
Endrin	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	28.9	37.6	68	90	55-150	26	40	
Endrin aldehyde	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	32.1	37.9	76	91	40-145	16	40	
Endrin aldehyde	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	32.1	37.9	76	91	40-145	16	40	
Endrin ketone	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	30.3	36.9	72	88	50-150	20	40	
Endrin ketone	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	30.3	36.9	72	88	50-150	20	40	
Heptachlor	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	26.0	35.2	62	84	50-150	30	40	
Heptachlor	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	26.0	35.2	62	84	50-150	30	40	
Heptachlor epoxide	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	28.3	36.0	67	86	45-150	24	40	
Heptachlor epoxide	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	28.3	36.0	67	86	45-150	24	40	
Methoxychlor	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	24.8	34.9	59	84	45-150	34	40	
Methoxychlor	10H0718	<13.4	42.3	ug/kg dry	N/A	13.4	24.8	34.9	59	84	45-150	34	40	

TERRACON - CEDAR RAPIDS
2640 12th Street, SW
Cedar Rapids, IA 52404
Kirk Johnson

Work Order: CTH0902
Project: SFD, LLC - E. Ave & 3rd Street
Project Number: 06107062

Received: 08/18/10
Reported: 09/02/10 08:16

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides by EPA Method 8081A														
QC Source Sample: CTH0902-01														
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg dry					*71*	*74*	*30-140*			
Surrogate: Decachlorobiphenyl	*10H0718*			ug/kg dry					*71*	*74*	*30-140*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg dry					*68*	*76*	*20-115*			
Surrogate: Tetrachloro-meta-xylene	*10H0718*			ug/kg dry					*68*	*76*	*20-115*			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive Cedar Falls, IA 50613 * 800-750-2401 * Fax 319-277-2425

TERRACON - CEDAR RAPIDS	Work Order:	CTH0902	Received: 08/18/10
2640 12th Street, SW			Reported: 09/02/10 08:16
Cedar Rapids, IA 52404	Project:	SFD, LLC - E. Ave & 3rd Street	
Kirk Johnson	Project Number:	06107062	

CERTIFICATION SUMMARY

TestAmerica Cedar Falls

Method	Matrix	Nelac	Iowa
OA-2 - 8015B	Solid/Soil	X	X
OA-2 - 8015B	Water - NonPotable	X	X
SM 2540 G	Solid/Soil		X
SW 8081A	Solid/Soil		X
SW 8081A	Water - NonPotable		X
SW 8260B	Solid/Soil	X	X
SW 8260B	Water - NonPotable	X	X
SW 8270C	Solid/Soil	X	X
SW 8270C	Water - NonPotable	X	X
SW	Water - NonPotable		

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Termperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) and are sampled in accordance with TA-CF SOP CF-FSS-01.

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DATA QUALIFIERS AND DEFINITIONS

>2	>2
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C9	Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch.
CIN	The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria specified in EPA methods 8260B/8270C.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the control limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was outside control limits.
M1	The MS and/or MSD were outside control limits.
P	The sample, as received, was not preserved in accordance to the referenced analytical method.
R	Sample duplicate RPD exceeded the laboratory control limit.
R7	LCS/LCSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
Z6	Surrogate recovery was outside control limits.
ZX	Due to sample matrix effects, the surrogate recovery was outside the control limits.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

TestAmerica Cedar Falls
Angela Muehling
Project Coordinator

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

3 coolers

Client Name: [illegible] Kellogg Client #: ____
Address: 4460 12th St SW
City/State/Zip Code: Cedar Rapids, Iowa 52404
Project Manager: Kirk Johnson
Email Address: ____
Telephone Number: 319-366-8321 Fax: 319.366.8371
Sampler Name: (Print Name) Sara Zinck
Sampler Signature:

Project Name: SFD, LLC
Project #: 60107012
Site/Location ID: EAN 32nd St. State: ____
Report To: ____
Invoice To: ____
Quote #: ____ PO#: ____

TAT
__ Standard
__ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y (N)
Email Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify, Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Pesticides 8081	VOCs 8260B	SVOCs 8270C	TEH DA-2	QC Deliverables	REMARKS
B-3 0-1'	8.17.10	1025	G		SS						X(1)		X				None	
B-3 6-8'	8.17.10	1030	G		SS						X(1)			X	X	X	Level 2 (Batch QC)	
B-4 10-12	8.17.10	1115	G		SS						X(2)			X			Level 3	
B-5 0-2'	8.17.10	1200	G		SS						1		X	X			Level 4	
B-5 10-12'	8.17.10	1205	G		SS						3			X	X	X	Other: ____	
B-6 0-2'	8.17.10	1250	G		SS						1		X					
B-6 10-12'	8.17.10	1255	G		SS						3			X	X	X		
B-2 0-6'	8.17.10	1340	G		SS						1		X					
B-2 10-12'	8.17.10	1345	G		SS						3			X				
B-1 10-12'	8.17.10	1420	G		SS						3			X	X	X		

Special Instructions:

LABORATORY COMMENTS:

	Date	Time		Date	Time
Relinquished By:	8.17.10	1730	Received By:	8/18/10	0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAL-0033 (0708)

TestAmerica
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Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Terracon
Client #: 3 coolers
Address: 2460 12th St SW
City/State/Zip Code: Cedar Rapids, Iowa
Project Manager: Kirk Johnson
Email Address: 1
Telephone Number: 319-366-8321 Fax: 319 366 0032
Sampler Name: (Print Name) Sara Zilke
Sampler Signature:

Project Name: SFD, LLC
Project #: 06107062
Site/Location ID: E Ave & 32nd St State:
Report To: Kirk Johnson
Invoice To:
Quote #: PO#:

TAT
✓ Standard
___ Rush (surcharges may apply)
Date Needed: 8-24-10
Fax Results: Y (N)
Email Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify, Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Pesticides 8081	VOCs 8260	SVOCs 8270	TPH DRO-1	QC Deliverables	REMARKS
B-1	8-17-10	1440			GW		3				3			X	X	X		
B-2	8-17-10	1505			GW		2				2		X	X				
B-3	8-17-10	1525			GW		2				4		X	X	X	X		
B-4	8-17-10	1550			GW		3							X				
B-5	8-17-10	1000			GW		3				4		X	X	X	X		
B-6	8-17-10	1610			GW		2				4		X	X	X	X		
TripBlank	8-17-10	0900			W						3			~~X~~				Hold for possible analysis

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

Special Instructions:

LABORATORY COMMENTS:

	Date	Time		Date	Time
Relinquished By:	8/17/10	1730	Received By:	8/18/10	0530
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAL-0033 (0708)

Page _____ of _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

Sample Receipt and Temperature Log Form

Client: Terracon Project: _____

City: CR

Date: 8-18-10 Receiver's Initials: CH Time (Delivered): 9:30

Temperature Record:

Cooler ID# (If Applicable)
SNO4

5.1 °C / On Ice

☐ Temp Blank B-5 amber

☐ Temperature out of compliance

Thermometer:

- ☐ IR - 61997671 'B'
- ☒ IR - 90876942 'C'
- ☐ IR - 61854108
- ☐ 22126775

Courier:

- ☐ UPS
- ☒ FedEx
- ☐ FedEx Ground
- ☐ US Postal Service
- ☐ Spee-Dee
- ☐ TA Courier
- ☐ TA Field Services
- ☐ Client
- ☐ Other

Custody seals present?
☒ Yes

Custody seals intact?
☒ Yes ☐ No

☐ Non-Conformance report started

B-6
B-5 ambers
4 vials 1 TB vial.

Exceptions Noted

- ☐ Sample(s) not received in a cooler.
- ☐ Samples(s) received same day of sampling.
- ☐ Evidence of a chilling process
- ☐ Temperature not taken: _____

***Refer to SOP CF-SS-01 for Temperature Criteria**

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Sample Receipt and Temperature Log Form

Client: Terracon Project: _____

City: CR

Date: 8-18-10 Receiver's Initials: CH Time (Delivered): 9:30

Temperature Record:

Cooler ID# (If Applicable)
4B107

5.9 °C / On Ice

☒ Temp Blank

☐ Temperature out of compliance

Thermometer:

☐ IR - 61997671 'B'
☒ IR - 90876942 'C'
☐ IR - 61854108
☐ 22126775

Courier:

☐ UPS	☐ TA Courier
☒ FedEx	☐ TA Field Services
☐ FedEx Ground	☐ Client
☐ US Postal Service	☐ Other
☐ Spee-Dee	

Custody seals present?
☒ Yes
Custody seals intact?
☒ Yes ☐ No

☐ Non-Conformance report started
1 TB Vial
Soils
2 B3 ambers

Exceptions Noted

☐ Sample(s) not received in a cooler.
☐ Samples(s) received same day of sampling.
☐ Evidence of a chilling process
☐ Temperature not taken:
_____

***Refer to SOP CF-SS-01 for Temperature Criteria**

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Sample Receipt and Temperature Log Form

Client: Terracon Project: _____

City: CR

Date: 8-18-10 Receiver's Initials: CH Time (Delivered): 9:30

Temperature Record:

Cooler ID# (If Applicable)
E-9

4.5 °C / On Ice

Thermometer:

- ☐ IR - 61997671 'B'
- ☑ IR - 90876942 'C'
- ☐ IR - 61854108
- ☐ 22126775

Courier:

- ☐ UPS
- ☑ FedEx
- ☐ FedEx Ground
- ☐ US Postal Service
- ☐ Spee-Dee
- ☐ TA Courier
- ☐ TA Field Services
- ☐ Client
- ☐ Other

☐ Temp Blank ~~X~~ B-1 amber Qt

☐ Temperature out of compliance

Custody seals present?
☑ Yes

Custody seals intact?
☑ Yes ☐ No

☐ Non-Conformance report started

Exceptions Noted

- ☐ Sample(s) not received in a cooler.
- ☐ Samples(s) received same day of sampling.
- ☐ Evidence of a chilling process
- ☐ Temperature not taken: _____

1 TB vial

***Refer to SOP CF-SS-01 for Temperature Criteria**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

3 coolers

Client Name: [illegible] Kleinfelder Client #: _____
Address: 11460 12th St SW
City/State/Zip Code: Cedar Rapids, Iowa 52404
Project Manager: Kirk Johnson
Email Address: _____
Telephone Number: 319-366-8371 Fax: 319.366.8371
Sampler Name: (Print Name) Sara Zinke
Sampler Signature:

Project Name: SFD, LLC
Project #: DE1070162
Site/Location ID: ENL 32ED St. State: _____
Report To: _____
Invoice To: _____
Quote #: _____ PO#: _____

TAT
✓ Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y (N)
Email Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify, Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Pesticides 8081	VOCs 8260B	SVOCs 8270C	TEH DA-2	QC Deliverables	REMARKS
B-3 0-1'	8.17.10	1025	G		SS						X(1)		X				None	
B-3 6-8'	8.17.10	1030	G		SS						X(1)			X	X	X	Level 2 (Batch QC)	
B-4 10-12	8.17.10	1115	G		SS						X(2)			X			Level 3	
B-5 0-2'	8.17.10	1200	G		SS						1		X	[illegible]			Level 4	
B-5 10-12'	8.17.10	1205	G		SS						3			X	X	X	Other: _____	
B-6 0-2'	8.17.10	1250	G		SS						1		X					
B-6 10-12'	8.17.10	1255	G		SS						3			X	X	X		
B-2 0-6'	8.17.10	1340	G		SS						1		X					
B-2 10-12'	8.17.10	1345	G		SS						2			X				
B-1 10-12'	8.17.10	1420	G		SS						3			X	X	X		

Special Instructions:

LABORATORY COMMENTS:

Relinquished By:	Date: 8.17.10	Time: 1730	Received By:	Date: 8/18/10	Time: 0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

3 coolers

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Terracon Client #:
Address: 2460 12th St SW
City/State/Zip Code: Cedar Rapids, Iowa
Project Manager: Kirk Johnson
Email Address: 1
Telephone Number: 319-366-8321 Fax: 319 366 0032
Sampler Name: (Print Name) Sara Zilke
Sampler Signature:

Project Name: SFD, LLC
Project #: 06107062
Site/Location ID: E Ave & 32nd St State:
Report To: Kirk Johnson
Invoice To:
Quote #: PO#:

TAT
✓ Standard
___ Rush (surcharges may apply)
Date Needed: 8-24-10
Fax Results: Y (N)
Email Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify, Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Pesticides 8081	VOCs 8260	SVOCs 8270	BTEX 04-1	REMARKS
B-1	8-17-10	1440			GW		1				3			X	X	X	
B-2	8-17-10	1505			GW		2				2		X	X			
B-3	8-17-10	1525			GW		2				4		X	X	X	X	
B-4	8-17-10	1550			GW		3							X			
B-5	8-17-10	1000			GW		2				4		X	X	X	X	
B-6	8-17-10	1610			GW		2				4		X	X	X	X	
trip blank	8-17-10	0900			W						3			X			Hold for possible analysis

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

Special Instructions:

LABORATORY COMMENTS:

Relinquished By:	Date: 8/17/10	Time: 1730	Received By:	Date: 8/18/10	Time: 0530
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAL-0033 (0708)

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THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive • Cedar Falls, IA 50613
800-750-2401 • 319-277-2425 Fax

Sample Receipt and Temperature Log Form

Client: Terracon Project: _____

City: CR

Date: 8-18-10 Receiver's Initials: CH Time (Delivered): 9:30

Temperature Record:

Cooler ID# (If Applicable) SN04

5.1 °C / On Ice

☐ Temp Blank B-5 amber

☐ Temperature out of compliance

Thermometer:

☐ IR - 61997671 'B'
☒ IR - 90876942 'C'
☐ IR - 61854108
☐ 22126775

Courier:

☐ UPS	☐ TA Courier
☒ FedEx	☐ TA Field Services
☐ FedEx Ground	☐ Client
☐ US Postal Service	☐ Other
☐ Spee-Dee	

Custody seals present?
☒ Yes

Custody seals intact?
☒ Yes ☐ No

☐ Non-Conformance report started

B-6
B-5 ambers
4 vials 1 TB vial.

Exceptions Noted

☐ Sample(s) not received in a cooler.
☐ Samples(s) received same day of sampling.
☐ Evidence of a chilling process
☐ Temperature not taken: _____

***Refer to SOP CF-SS-01 for Temperature Criteria**

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Sample Receipt and Temperature Log Form

Client: Terracon Project: _____

City: CR

Date: 8-18-10 Receiver's Initials: CH Time (Delivered): 9:30

Temperature Record:

Cooler ID# (If Applicable)
48107

5.9 °C / On Ice

☐ Temp Blank

☐ Temperature out of compliance

Thermometer:

☐ IR - 61997671 'B'
☒ IR - 90876942 'C'
☐ IR - 61854108
☐ 22126775

Courier:

☐ UPS	☐ TA Courier
☒ FedEx	☐ TA Field Services
☐ FedEx Ground	☐ Client
☐ US Postal Service	☐ Other
☐ Spee-Dee	

Custody seals present?
☒ Yes
Custody seals intact?
☒ Yes ☐ No

☐ Non-Conformance report started

Exceptions Noted

☐ Sample(s) not received in a cooler.
☐ Samples(s) received same day of sampling.
☐ Evidence of a chilling process
☐ Temperature not taken:

1 TB vial
Soils
2 B3 ambers

***Refer to SOP CF-SS-01 for Temperature Criteria**

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Sample Receipt and Temperature Log Form

Client: Terracon Project: _____

City: CR

Date: 8-18-10 Receiver's Initials: CH Time (Delivered): 9:30

Temperature Record:

Cooler ID# (If Applicable)
E-9

4.5 °C / On Ice

Thermometer:

- ☐ IR - 61997671 'B'
- ☑ IR - 90876942 'C'
- ☐ IR - 61854108
- ☐ 22126775

Courier:

- ☐ UPS
- ☑ FedEx
- ☐ FedEx Ground
- ☐ US Postal Service
- ☐ Spee-Dee
- ☐ TA Courier
- ☐ TA Field Services
- ☐ Client
- ☐ Other

☐ Temp Blank ~~X~~ B-1 amber Qt

☐ Temperature out of compliance

Custody seals present?
☑ Yes

Custody seals intact?
☑ Yes ☐ No

☐ Non-Conformance report started

Exceptions Noted

- ☐ Sample(s) not received in a cooler.
- ☐ Samples(s) received same day of sampling.
- ☐ Evidence of a chilling process
- ☐ Temperature not taken:

_____

1 TB vial

***Refer to SOP CF-SS-01 for Temperature Criteria**