North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

James Stanley
P.O. Box 488
Reidsville, NC 27323

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
122 VFW Rd
Reidsville, NC 27320

Dear Mr. Stanley:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

- The number of wells on your property are _____.
- The depth of the well(s) are _____ ft.
- The well(s) are being used for the following purposes:
  _____.
- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Michael Brewer
133 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
133 VFW Rd
Reidsville, NC 27320

Dear Mr. Brewer:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Randall Heffinger
134 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
134 VFW Rd
Reidsville, NC 27320

Dear Mr. Heffinger:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Michael Templeton & Susan Welborn
3712 Brooks Crest Ct
Browns Summit, NC 27214

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
143 VFW Rd
Reidsville, NC 27320

Dear Mr. Templeton & Ms. Welborn:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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- Your contact information:
  - Phone # _____
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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Willie & Frances Marie Law
144 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
144 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Law:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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- Your contact information:
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Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Geraldine Evans
147 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
147 VFW Rd
Reidsville, NC 27320

Dear Ms. Evans:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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  - Phone # _____
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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Henry & Ollie Pettigrew
162 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
154 & 162 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Pettigrew:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Charlene Hawks
171 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
171 VFW Rd
Reidsville, NC 27320

Dear Ms. Hawks:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Charles Setliff
184 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
174 & 184 VFW Rd
Reidsville, NC 27320

Dear Mr. Setliff:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

LBS Properties
PO Box 2037
Reidsville, NC 27323

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
196 VFW Rd
Reidsville, NC 27320

Dear sirs:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Allen Blackwell
212 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
212 VFW Rd
Reidsville, NC 27320

Dear Mr. Blackwell:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Charlie & Mary Redd
215 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
215 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Redd:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Kevin & Regina Harrison
224 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
224 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Harrison:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Mary Ellen Cole
227 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
227 VFW Rd
Reidsville, NC 27320

Dear Ms. Cole:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Elbert Suthard
235 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
235 VFW Rd
Reidsville, NC 27320

Dear Mr. Suthard:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

George & Jean Stephens
c/o Phyllis Dougherty
246 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
246 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Stephens:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Lorraine French
272 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
272 VFW Rd
Reidsville, NC 27320

Dear Ms. French:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

- The number of wells on your property are _____.
- The depth of the well(s) are _____ ft.
- The well(s) are being used for the following purposes:
  _____.
- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Wilbert & Frances Jones
287 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
287 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Jones:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Charles Jefferys
PO Box 1073
Reidsville, NC 27323

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
289 VFW Rd
Reidsville, NC 27320

Dear Mr. Jefferys:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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  _____.
- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Kevin Dougherty
308 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
290 & 308 VFW Rd
Reidsville, NC 27320

Dear Mr. Dougherty:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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  _____.
- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Frank Hubbard
303 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
303 VFW Rd
Reidsville, NC 27320

Dear Mr. Hubbard:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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- The depth of the well(s) are _____ ft.
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- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Shirley Rickman L/E
160 Pennington Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
322 VFW Rd
Reidsville, NC 27320

Dear Ms. Rickman:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
  - Phone # _____
  - Email Address _____

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Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Stephen & Cheryl Bunton
327 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
327 VFW Rd
Reidsville, NC 27320

Dear Mr. & Mrs. Bunton:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
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- Your contact information:
  - Phone # _____
  - Email Address _____

Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 8, 2012

Clyde Cook
328 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling – VFW Rd site (NONCD 000 pending)
328 VFW Rd
Reidsville, NC 27320

Dear Mr. Cook:

My name is Vincent Antrilli with North Carolina Department of Environment and Natural Resources, Division of Waste Management. The purpose of this letter is to contact you pursuant to a potential ground water contamination in your area. During the week of February 27th, 2012, I will be in the Rockingham County area collecting groundwater samples related to the groundwater contamination in your area. I intend to sample your well at the above referenced address during that time. You do not have to be present to have your well sampled and there is no cost to you. The laboratory results will be forwarded to you as soon as possible. Please provide the following information, *if you know it*.

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- The well water goes through a filtration system before the water enters the house. YES / NO
- Is there a tap at the well head or outside wall spigot of the residence? YES / NO
  - If YES which one? _____
- Your contact information:
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Please contact me by one of the following ways if you ***do not*** want your well sampled. You can reach me by calling (919) 707-8353, emailing me at Vincent.Antrilli@ncdenr.gov or respond in writing to this letter stating you do not wish to have your well sampled. Should you have any questions please do not hesitate to contact me.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Dexter R. Matthews, Director | Beverly Eaves Purdue, Governor | Dee Freeman, Secretary

MEMORANDUM

Date: February 29, 2012

To: File

From: Vince Antrilli
Raleigh Regional Office
Inactive Hazardous Sites Branch

Re: VFW Rd – Sampling Trip Summary
NONCD 000 pending

- Larry Rose and I visited the site on February 27 & 28, 2012 to perform well sampling in the area. We sampled the addresses list below:
  154 VFW Rd
  162 VFW Rd
  144 VFW Rd
  184 VFW Rd
  212 VFW Rd
  224 VFW Rd
  246 VFW Rd
  272 VFW Rd
  308 VFW Rd
  322 VFW Rd
  328 VFW Rd
  327 VFW Rd
  287 VFW Rd
  171 VFW Rd
  147 VFW Rd
  133 VFW Rd
- 1 resident declined sample request, 4 were connected to public water system (1 was still using well so sample was collected), 174 VFW is connected to well @ 162 VFW, 3 residences were vacant (1 of which was dilapidated), 1 has GAC filter system in place with no faucets on upstream side of filter, 1 was out of town and power was turned off so sample wasn't able to be collected, and 1 residence and well was far off the road and outside of the 1500 ft from suspected source.
- Charlene Hawks @ 174 VFW is recently deceased survived by her sister, Marie Law @ 144 VFW. Future correspondence should be directed to Ms. Law who is heir of property.
- The 4 residents connected to city water are:
  - 122 VFW Rd
  - 134 VFW Rd
  - 143 VFW Rd
  - 144 VFW Rd
- The samples collected were sent to Shealy Lab on February 27, 2012 and February 28, 2012.

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Dexter R. Matthews, Director Beverly Eaves Purdue, Governor Dee Freeman, Secretary

MEMORANDUM

Date: April 24, 2012

To: File

From: Vince Antrilli
Raleigh Regional Office
Inactive Hazardous Sites Branch

Re: VFW Rd – Sampling Trip Summary
NONCD 000 pending

- Larry Rose and I visited the site on April 16, 2012 to perform well sampling in the area. We sampled the addresses list below:
  - 328 VFW Rd
  - 322 VFW Rd
  - 215 VFW Rd
  - 184 VFW Rd
  - 212 VFW Rd
  - 308 VFW Rd
- Samples from 215 VFW Rd was the first collected at this residence.
- Samples from all the others listed are follow up to previous detections in the vicinity or at the residence.
- The samples collected were sent to Shealy Lab on April 16, 2012.

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Dexter R. Matthews, Director Beverly Eaves Purdue, Governor Dee Freeman, Secretary

MEMORANDUM

Date: August 31, 2012

To: File

From: Vince Antrilli
Raleigh Regional Office
Inactive Hazardous Sites Branch

Re: VFW Rd – Sampling Trip Summary
NONCD 000 pending

- Larry Rose and I visited the site on August 30, 2012 to perform well sampling in the area. We sampled the addresses list below:
  227 VFW Rd
- All other wells in the area had previously been sampled.
- While in the area we checked to see if the filter systems had been installed at 322 & 328 VFW Rd. They were not yet installed however we noticed that an inground pool was installed at 328 VFW Rd and a sign erected indicating that the home is now being used as a bed & breakfast.
- The samples collected were sent to Shealy Lab on August 30, 2012.

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

NCDENR - DWM - DSCA
401 Oberlin Rd
Suite 210
Raleigh, NC 27605
Attention: Vincent Antrilli

Project Name: **VFW Rd**

Lot Number: **NB28016**

Date Completed: **03/19/2012**

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* N B 2 8 0 1 6 *

Case Narrative
NCDENR - DWM - DSCA
Lot Number: NB28016

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Semivolatile Organic Compounds

The LCS recovery for 2,4-Dimethylphenol exceeded method control limits in batch 79139; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

Sample Summary
NCDENR - DWM - DSCA
Lot Number: NB28016

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Trip Blank	Aqueous	02/27/2012	02/28/2012
002	VFW-1	Aqueous	02/27/2012 1205	02/28/2012
003	VFW-2	Aqueous	02/27/2012 1235	02/28/2012
004	VFW-3	Aqueous	02/27/2012 1305	02/28/2012
005	VFW-4	Aqueous	02/27/2012 1425	02/28/2012
006	VFW-5	Aqueous	02/27/2012 1445	02/28/2012
007	VFW-6	Aqueous	02/27/2012 1525	02/28/2012

(7 samples)

Executive Summary
NCDENR - DWM - DSCA
Lot Number: NB28016

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	VFW-3	Aqueous	Barium	6010C	0.042		mg/L	19
004	VFW-3	Aqueous	Copper	6010C	0.071		mg/L	19
004	VFW-3	Aqueous	Iron	6010C	4.0		mg/L	19
004	VFW-3	Aqueous	Magnesium	6010C	8.7		mg/L	19
004	VFW-3	Aqueous	Manganese	6010C	0.065		mg/L	19
004	VFW-3	Aqueous	Zinc	6010C	0.15		mg/L	19
005	VFW-4	Aqueous	1,1-Dichloroethene	8260B	1.5		ug/L	21
006	VFW-5	Aqueous	1,1-Dichloroethene	8260B	0.55		ug/L	24
006	VFW-5	Aqueous	Copper	6010C	0.075		mg/L	29
006	VFW-5	Aqueous	Magnesium	6010C	9.8		mg/L	29

(10 detections)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-001**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **02/27/2012**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1821	DD		79872

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
1,4-Dioxane	123-91-1	8260B	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-001**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **02/27/2012**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1821	DD		79872

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-002**
Description: **VFW-1**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1205**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2020	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-002**
Description: **VFW-1**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1205**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1415	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-002**
Description: **VFW-1**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1205**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1415	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-003**
Description: **VFW-2**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1235**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2041	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-003**
Description: **VFW-2**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1235**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1436	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-003**
Description: **VFW-2**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1235**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1436	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2102	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	03/12/2012 2145	DD		79986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	2
Benzene	71-43-2	8260B	ND		0.50	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	2
Bromoform	75-25-2	8260B	ND		0.50	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	2
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	2
Chloroform	67-66-3	8260B	ND		0.50	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	2
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	ug/L	2
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	2
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	2
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	2
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	2
Styrene	100-42-5	8260B	ND		0.50	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	2
Toluene	108-88-3	8260B	ND		0.50	ug/L	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	03/12/2012 2145	DD		79986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		128	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1131	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.1	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.1	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.1	ug/L	1
Anthracene	120-12-7	8270D	ND		5.1	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.1	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.1	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.1	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.1	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.1	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.1	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.1	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.1	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.1	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.1	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.1	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.1	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.1	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		5.1	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.1	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.1	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.1	ug/L	1
Chrysene	218-01-9	8270D	ND		5.1	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.1	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.1	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.1	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.1	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.1	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.1	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.1	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.1	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.1	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.1	ug/L	1
Fluorene	86-73-7	8270D	ND		5.1	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.1	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.1	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1131	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.1	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.1	ug/L	1
Isophorone	78-59-1	8270D	ND		5.1	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.1	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.1	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.1	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.1	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.1	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.1	ug/L	1
Phenol	108-95-2	8270D	ND		5.1	ug/L	1
Pyrene	129-00-0	8270D	ND		5.1	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.1	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.1	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		86	41-144
2-Fluorobiphenyl		83	37-129
2-Fluorophenol		84	24-127
Nitrobenzene-d5		87	38-127
Phenol-d5		87	28-128
Terphenyl-d14		84	10-148

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	03/05/2012 2101	NCM	02/29/2012 2345	79041

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.026	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		61	20-131
Tetrachloro-m-xylene		86	26-132

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	03/02/2012 2328	COH	03/02/2012 1807	79237
1	3005A	6010C	1	03/02/2012 2352	KJC	03/01/2012 1903	79143

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.042**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.071**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010C**	**4.0**		**0.10**	**mg/L**	**1**
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	**7439-95-4**	**6010C**	**8.7**		**5.0**	**mg/L**	**1**
Manganese	**7439-96-5**	**6010C**	**0.065**		**0.015**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	**7440-66-6**	**6010C**	**0.15**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-005**
Description: **VFW-4**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1425**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2123	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-005**
Description: **VFW-4**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1425**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1457	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**1.5**		**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-005**
Description: **VFW-4**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1425**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1457	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2144	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		134	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1519	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.55**		**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1519	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/16/2012 1613	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.3	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.3	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.3	ug/L	1
Anthracene	120-12-7	8270D	ND		5.3	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.3	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		26	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.3	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.3	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.3	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.3	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.3	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.3	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.3	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		11	ug/L	1
Caprolactam	105-60-2	8270D	ND		26	ug/L	1
Carbazole	86-74-8	8270D	ND		5.3	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.3	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.3	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.3	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		5.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.3	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.3	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.3	ug/L	1
Chrysene	218-01-9	8270D	ND		5.3	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.3	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.3	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.3	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		26	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.3	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.3	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.3	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.3	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		26	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		26	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		11	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		11	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.3	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.3	ug/L	1
Fluorene	86-73-7	8270D	ND		5.3	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.3	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.3	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		26	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/16/2012 1613	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.3	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.3	ug/L	1
Isophorone	78-59-1	8270D	ND		5.3	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.3	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.3	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		11	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.3	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.3	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.3	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		11	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		11	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		11	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.3	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		11	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		26	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		26	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.3	ug/L	1
Phenol	108-95-2	8270D	ND		5.3	ug/L	1
Pyrene	129-00-0	8270D	ND		5.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.3	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		102	41-144
2-Fluorobiphenyl		97	37-129
2-Fluorophenol		87	24-127
Nitrobenzene-d5		89	38-127
Phenol-d5		93	28-128
Terphenyl-d14		90	10-148

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	03/05/2012 2159	NCM	02/29/2012 2345	79041

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.026	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	20-131
Tetrachloro-m-xylene		83	26-132

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	03/02/2012 2331	COH	03/02/2012 1807	79237
1	3005A	6010C	1	03/02/2012 2358	KJC	03/01/2012 1903	79143

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.075**		**0.0050**	**mg/L**	**1**
Iron	7439-89-6	6010C	ND		0.10	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	**7439-95-4**	**6010C**	**9.8**		**5.0**	**mg/L**	**1**
Manganese	7439-96-5	6010C	ND		0.015	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-007**
Description: **VFW-6**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1525**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2205	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-007**
Description: **VFW-6**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1525**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1540	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-007**
Description: **VFW-6**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1525**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1540	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

QC Summary

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ79735-001
Batch: 79735
Analytical Method: 8260B (SIM iso.)
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	03/08/2012 1532

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		115	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ79735-002
Batch: 79735
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	42		1	83	43-173	03/08/2012 1408

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ79735-003
Batch: 79735
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	41		1	82	1.6	43-173	20	03/08/2012 1429

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		91	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79743-001
Batch: 79743
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	03/09/2012 1029
Benzene	ND		1	0.50	ug/L	03/09/2012 1029
Bromodichloromethane	ND		1	0.50	ug/L	03/09/2012 1029
Bromoform	ND		1	0.50	ug/L	03/09/2012 1029
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	03/09/2012 1029
2-Butanone (MEK)	ND		1	10	ug/L	03/09/2012 1029
Carbon disulfide	ND		1	0.50	ug/L	03/09/2012 1029
Carbon tetrachloride	ND		1	0.50	ug/L	03/09/2012 1029
Chlorobenzene	ND		1	0.50	ug/L	03/09/2012 1029
Chloroethane	ND		1	0.50	ug/L	03/09/2012 1029
Chloroform	ND		1	0.50	ug/L	03/09/2012 1029
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	03/09/2012 1029
Cyclohexane	ND		1	0.50	ug/L	03/09/2012 1029
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	03/09/2012 1029
Dibromochloromethane	ND		1	0.50	ug/L	03/09/2012 1029
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	03/09/2012 1029
1,2-Dichlorobenzene	ND		1	0.50	ug/L	03/09/2012 1029
1,4-Dichlorobenzene	ND		1	0.50	ug/L	03/09/2012 1029
1,3-Dichlorobenzene	ND		1	0.50	ug/L	03/09/2012 1029
Dichlorodifluoromethane	ND		1	0.50	ug/L	03/09/2012 1029
1,1-Dichloroethane	ND		1	0.50	ug/L	03/09/2012 1029
1,2-Dichloroethane	ND		1	0.50	ug/L	03/09/2012 1029
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	03/09/2012 1029
1,1-Dichloroethene	ND		1	0.50	ug/L	03/09/2012 1029
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	03/09/2012 1029
1,2-Dichloropropane	ND		1	0.50	ug/L	03/09/2012 1029
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	03/09/2012 1029
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	03/09/2012 1029
Ethylbenzene	ND		1	0.50	ug/L	03/09/2012 1029
2-Hexanone	ND		1	10	ug/L	03/09/2012 1029
Isopropylbenzene	ND		1	0.50	ug/L	03/09/2012 1029
Methyl acetate	ND		1	1.0	ug/L	03/09/2012 1029
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	03/09/2012 1029
4-Methyl-2-pentanone	ND		1	10	ug/L	03/09/2012 1029
Methylcyclohexane	ND		1	5.0	ug/L	03/09/2012 1029
Methylene chloride	ND		1	0.50	ug/L	03/09/2012 1029
Styrene	ND		1	0.50	ug/L	03/09/2012 1029
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	03/09/2012 1029
Tetrachloroethene	ND		1	0.50	ug/L	03/09/2012 1029
Toluene	ND		1	0.50	ug/L	03/09/2012 1029
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	03/09/2012 1029
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	03/09/2012 1029
1,1,1-Trichloroethane	ND		1	0.50	ug/L	03/09/2012 1029
1,1,2-Trichloroethane	ND		1	0.50	ug/L	03/09/2012 1029

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79743-001
Batch: 79743
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	03/09/2012 1029
Trichlorofluoromethane	ND		1	0.50	ug/L	03/09/2012 1029
Vinyl chloride	ND		1	0.50	ug/L	03/09/2012 1029
Xylenes (total)	ND		1	0.50	ug/L	03/09/2012 1029

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79743-002
Batch: 79743
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	81		1	81	46-153	03/09/2012 0904
Benzene	50	52		1	104	70-130	03/09/2012 0904
Bromodichloromethane	50	48		1	96	70-130	03/09/2012 0904
Bromoform	50	45		1	90	70-130	03/09/2012 0904
Bromomethane (Methyl bromide)	50	50		1	100	60-140	03/09/2012 0904
2-Butanone (MEK)	100	87		1	87	60-140	03/09/2012 0904
Carbon disulfide	50	49		1	98	60-140	03/09/2012 0904
Carbon tetrachloride	50	48		1	96	70-130	03/09/2012 0904
Chlorobenzene	50	53		1	106	70-130	03/09/2012 0904
Chloroethane	50	48		1	97	42-163	03/09/2012 0904
Chloroform	50	53		1	106	70-130	03/09/2012 0904
Chloromethane (Methyl chloride)	50	44		1	88	20-158	03/09/2012 0904
Cyclohexane	50	46		1	93	70-130	03/09/2012 0904
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	70-130	03/09/2012 0904
Dibromochloromethane	50	47		1	94	70-130	03/09/2012 0904
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	03/09/2012 0904
1,2-Dichlorobenzene	50	56		1	111	70-130	03/09/2012 0904
1,4-Dichlorobenzene	50	55		1	110	70-130	03/09/2012 0904
1,3-Dichlorobenzene	50	55		1	110	70-130	03/09/2012 0904
Dichlorodifluoromethane	50	48		1	95	60-140	03/09/2012 0904
1,1-Dichloroethane	50	51		1	102	70-130	03/09/2012 0904
1,2-Dichloroethane	50	49		1	97	70-130	03/09/2012 0904
cis-1,2-Dichloroethene	50	52		1	104	70-130	03/09/2012 0904
1,1-Dichloroethene	50	52		1	105	70-130	03/09/2012 0904
trans-1,2-Dichloroethene	50	52		1	103	70-130	03/09/2012 0904
1,2-Dichloropropane	50	53		1	106	70-130	03/09/2012 0904
cis-1,3-Dichloropropene	50	49		1	98	70-130	03/09/2012 0904
trans-1,3-Dichloropropene	50	49		1	97	70-130	03/09/2012 0904
Ethylbenzene	50	56		1	113	70-130	03/09/2012 0904
2-Hexanone	100	93		1	93	60-140	03/09/2012 0904
Isopropylbenzene	50	59		1	118	70-130	03/09/2012 0904
Methyl acetate	50	43		1	87	15-128	03/09/2012 0904
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	03/09/2012 0904
4-Methyl-2-pentanone	100	91		1	91	60-140	03/09/2012 0904
Methylcyclohexane	50	55		1	110	70-130	03/09/2012 0904
Methylene chloride	50	49		1	97	70-130	03/09/2012 0904
Styrene	50	53		1	106	70-130	03/09/2012 0904
1,1,2,2-Tetrachloroethane	50	55		1	110	70-130	03/09/2012 0904
Tetrachloroethene	50	54		1	108	70-130	03/09/2012 0904
Toluene	50	52		1	105	70-130	03/09/2012 0904
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	70-130	03/09/2012 0904
1,2,4-Trichlorobenzene	50	58		1	116	70-130	03/09/2012 0904
1,1,1-Trichloroethane	50	52		1	104	70-130	03/09/2012 0904
1,1,2-Trichloroethane	50	53		1	107	70-130	03/09/2012 0904

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79743-002
Batch: 79743
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	106	70-130	03/09/2012 0904
Trichlorofluoromethane	50	48		1	95	60-140	03/09/2012 0904
Vinyl chloride	50	50		1	100	60-140	03/09/2012 0904
Xylenes (total)	100	110		1	115	70-130	03/09/2012 0904

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79743-003
Batch: 79743
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	75		1	75	8.2	46-153	20	03/09/2012 0925
Benzene	50	52		1	104	0.35	70-130	20	03/09/2012 0925
Bromodichloromethane	50	48		1	95	0.23	70-130	20	03/09/2012 0925
Bromoform	50	44		1	88	2.3	70-130	20	03/09/2012 0925
Bromomethane (Methyl bromide)	50	48		1	96	3.2	60-140	20	03/09/2012 0925
2-Butanone (MEK)	100	84		1	84	3.8	60-140	20	03/09/2012 0925
Carbon disulfide	50	48		1	97	0.72	60-140	20	03/09/2012 0925
Carbon tetrachloride	50	48		1	96	0.73	70-130	20	03/09/2012 0925
Chlorobenzene	50	53		1	105	1.1	70-130	20	03/09/2012 0925
Chloroethane	50	47		1	95	2.3	42-163	20	03/09/2012 0925
Chloroform	50	52		1	104	1.5	70-130	20	03/09/2012 0925
Chloromethane (Methyl chloride)	50	43		1	85	3.1	20-158	20	03/09/2012 0925
Cyclohexane	50	46		1	93	0.47	70-130	20	03/09/2012 0925
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	84	3.6	70-130	20	03/09/2012 0925
Dibromochloromethane	50	46		1	93	1.4	70-130	20	03/09/2012 0925
1,2-Dibromoethane (EDB)	50	47		1	94	1.4	70-130	20	03/09/2012 0925
1,2-Dichlorobenzene	50	56		1	111	0.26	70-130	20	03/09/2012 0925
1,4-Dichlorobenzene	50	53		1	107	2.7	70-130	20	03/09/2012 0925
1,3-Dichlorobenzene	50	55		1	110	0.52	70-130	20	03/09/2012 0925
Dichlorodifluoromethane	50	47		1	95	0.50	60-140	20	03/09/2012 0925
1,1-Dichloroethane	50	51		1	101	1.1	70-130	20	03/09/2012 0925
1,2-Dichloroethane	50	48		1	96	1.5	70-130	20	03/09/2012 0925
cis-1,2-Dichloroethene	50	51		1	103	1.1	70-130	20	03/09/2012 0925
1,1-Dichloroethene	50	52		1	104	0.73	70-130	20	03/09/2012 0925
trans-1,2-Dichloroethene	50	51		1	102	1.3	70-130	20	03/09/2012 0925
1,2-Dichloropropane	50	53		1	106	0.51	70-130	20	03/09/2012 0925
cis-1,3-Dichloropropene	50	49		1	99	0.23	70-130	20	03/09/2012 0925
trans-1,3-Dichloropropene	50	48		1	96	1.2	70-130	20	03/09/2012 0925
Ethylbenzene	50	56		1	112	0.64	70-130	20	03/09/2012 0925
2-Hexanone	100	90		1	90	3.8	60-140	20	03/09/2012 0925
Isopropylbenzene	50	58		1	117	0.86	70-130	20	03/09/2012 0925
Methyl acetate	50	41		1	81	6.3	15-128	20	03/09/2012 0925
Methyl tertiary butyl ether (MTBE)	50	51		1	102	1.9	70-130	20	03/09/2012 0925
4-Methyl-2-pentanone	100	89		1	89	2.7	60-140	20	03/09/2012 0925
Methylcyclohexane	50	55		1	110	0.033	70-130	20	03/09/2012 0925
Methylene chloride	50	48		1	96	1.1	70-130	20	03/09/2012 0925
Styrene	50	53		1	105	0.83	70-130	20	03/09/2012 0925
1,1,2,2-Tetrachloroethane	50	53		1	106	3.3	70-130	20	03/09/2012 0925
Tetrachloroethene	50	54		1	107	0.86	70-130	20	03/09/2012 0925
Toluene	50	52		1	105	0.0096	70-130	20	03/09/2012 0925
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	111	1.4	70-130	20	03/09/2012 0925
1,2,4-Trichlorobenzene	50	57		1	114	1.5	70-130	20	03/09/2012 0925
1,1,1-Trichloroethane	50	52		1	103	1.1	70-130	20	03/09/2012 0925
1,1,2-Trichloroethane	50	53		1	105	1.4	70-130	20	03/09/2012 0925

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79743-003
Batch: 79743
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	53		1	107	0.33	70-130	20	03/09/2012 0925
Trichlorofluoromethane	50	47		1	95	0.74	60-140	20	03/09/2012 0925
Vinyl chloride	50	49		1	98	2.9	60-140	20	03/09/2012 0925
Xylenes (total)	100	110		1	114	0.66	70-130	20	03/09/2012 0925

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79872-001
Batch: 79872
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	03/10/2012 1257
Benzene	ND		1	0.50	ug/L	03/10/2012 1257
Bromodichloromethane	ND		1	0.50	ug/L	03/10/2012 1257
Bromoform	ND		1	0.50	ug/L	03/10/2012 1257
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	03/10/2012 1257
2-Butanone (MEK)	ND		1	10	ug/L	03/10/2012 1257
Carbon disulfide	ND		1	0.50	ug/L	03/10/2012 1257
Carbon tetrachloride	ND		1	0.50	ug/L	03/10/2012 1257
Chlorobenzene	ND		1	0.50	ug/L	03/10/2012 1257
Chloroethane	ND		1	0.50	ug/L	03/10/2012 1257
Chloroform	ND		1	0.50	ug/L	03/10/2012 1257
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	03/10/2012 1257
Cyclohexane	ND		1	0.50	ug/L	03/10/2012 1257
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	03/10/2012 1257
Dibromochloromethane	ND		1	0.50	ug/L	03/10/2012 1257
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	03/10/2012 1257
1,2-Dichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1257
1,4-Dichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1257
1,3-Dichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1257
Dichlorodifluoromethane	ND		1	0.50	ug/L	03/10/2012 1257
1,1-Dichloroethane	ND		1	0.50	ug/L	03/10/2012 1257
1,2-Dichloroethane	ND		1	0.50	ug/L	03/10/2012 1257
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	03/10/2012 1257
1,1-Dichloroethene	ND		1	0.50	ug/L	03/10/2012 1257
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	03/10/2012 1257
1,2-Dichloropropane	ND		1	0.50	ug/L	03/10/2012 1257
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	03/10/2012 1257
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	03/10/2012 1257
1,4-Dioxane	ND		1	5.0	ug/L	03/10/2012 1257
Ethylbenzene	ND		1	0.50	ug/L	03/10/2012 1257
2-Hexanone	ND		1	10	ug/L	03/10/2012 1257
Isopropylbenzene	ND		1	0.50	ug/L	03/10/2012 1257
Methyl acetate	ND		1	1.0	ug/L	03/10/2012 1257
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	03/10/2012 1257
4-Methyl-2-pentanone	ND		1	10	ug/L	03/10/2012 1257
Methylcyclohexane	ND		1	5.0	ug/L	03/10/2012 1257
Methylene chloride	ND		1	0.50	ug/L	03/10/2012 1257
Styrene	ND		1	0.50	ug/L	03/10/2012 1257
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	03/10/2012 1257
Tetrachloroethene	ND		1	0.50	ug/L	03/10/2012 1257
Toluene	ND		1	0.50	ug/L	03/10/2012 1257
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	03/10/2012 1257
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1257
1,1,2-Trichloroethane	ND		1	0.50	ug/L	03/10/2012 1257

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79872-001
Batch: 79872
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1,1-Trichloroethane	ND		1	0.50	ug/L	03/10/2012 1257
Trichloroethene	ND		1	0.50	ug/L	03/10/2012 1257
Trichlorofluoromethane	ND		1	0.50	ug/L	03/10/2012 1257
Vinyl chloride	ND		1	0.50	ug/L	03/10/2012 1257
Xylenes (total)	ND		1	0.50	ug/L	03/10/2012 1257

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79872-002
Batch: 79872
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	83		1	83	46-153	03/10/2012 1133
Benzene	50	52		1	105	70-130	03/10/2012 1133
Bromodichloromethane	50	49		1	97	70-130	03/10/2012 1133
Bromoform	50	45		1	90	70-130	03/10/2012 1133
Bromomethane (Methyl bromide)	50	49		1	99	60-140	03/10/2012 1133
2-Butanone (MEK)	100	91		1	91	60-140	03/10/2012 1133
Carbon disulfide	50	48		1	97	60-140	03/10/2012 1133
Carbon tetrachloride	50	49		1	98	70-130	03/10/2012 1133
Chlorobenzene	50	53		1	105	70-130	03/10/2012 1133
Chloroethane	50	48		1	96	42-163	03/10/2012 1133
Chloroform	50	53		1	106	70-130	03/10/2012 1133
Chloromethane (Methyl chloride)	50	45		1	89	20-158	03/10/2012 1133
Cyclohexane	50	48		1	96	70-130	03/10/2012 1133
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	89	70-130	03/10/2012 1133
Dibromochloromethane	50	47		1	94	70-130	03/10/2012 1133
1,2-Dibromoethane (EDB)	50	48		1	95	70-130	03/10/2012 1133
1,2-Dichlorobenzene	50	56		1	111	70-130	03/10/2012 1133
1,4-Dichlorobenzene	50	53		1	107	70-130	03/10/2012 1133
1,3-Dichlorobenzene	50	55		1	110	70-130	03/10/2012 1133
Dichlorodifluoromethane	50	48		1	97	60-140	03/10/2012 1133
1,1-Dichloroethane	50	51		1	102	70-130	03/10/2012 1133
1,2-Dichloroethane	50	50		1	100	70-130	03/10/2012 1133
cis-1,2-Dichloroethene	50	52		1	104	70-130	03/10/2012 1133
1,1-Dichloroethene	50	52		1	105	70-130	03/10/2012 1133
trans-1,2-Dichloroethene	50	51		1	102	70-130	03/10/2012 1133
1,2-Dichloropropane	50	54		1	108	70-130	03/10/2012 1133
cis-1,3-Dichloropropene	50	49		1	99	70-130	03/10/2012 1133
trans-1,3-Dichloropropene	50	48		1	96	70-130	03/10/2012 1133
1,4-Dioxane	500	720		1	144	43-173	03/10/2012 1133
Ethylbenzene	50	55		1	109	70-130	03/10/2012 1133
2-Hexanone	100	95		1	95	60-140	03/10/2012 1133
Isopropylbenzene	50	58		1	117	70-130	03/10/2012 1133
Methyl acetate	50	45		1	89	15-128	03/10/2012 1133
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	03/10/2012 1133
4-Methyl-2-pentanone	100	96		1	96	60-140	03/10/2012 1133
Methylcyclohexane	50	56		1	113	70-130	03/10/2012 1133
Methylene chloride	50	48		1	97	70-130	03/10/2012 1133
Styrene	50	52		1	104	70-130	03/10/2012 1133
1,1,2,2-Tetrachloroethane	50	55		1	109	70-130	03/10/2012 1133
Tetrachloroethene	50	53		1	106	70-130	03/10/2012 1133
Toluene	50	52		1	105	70-130	03/10/2012 1133
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	115	70-130	03/10/2012 1133
1,2,4-Trichlorobenzene	50	58		1	115	70-130	03/10/2012 1133
1,1,2-Trichloroethane	50	53		1	106	70-130	03/10/2012 1133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79872-002
Batch: 79872
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1,1-Trichloroethane	50	53		1	105	70-130	03/10/2012 1133
Trichloroethene	50	53		1	106	70-130	03/10/2012 1133
Trichlorofluoromethane	50	49		1	98	60-140	03/10/2012 1133
Vinyl chloride	50	50		1	101	60-140	03/10/2012 1133
Xylenes (total)	100	110		1	111	70-130	03/10/2012 1133

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79872-003
Batch: 79872
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	84		1	84	1.7	46-153	20	03/10/2012 1154
Benzene	50	52		1	103	1.6	70-130	20	03/10/2012 1154
Bromodichloromethane	50	48		1	96	1.9	70-130	20	03/10/2012 1154
Bromoform	50	45		1	90	0.071	70-130	20	03/10/2012 1154
Bromomethane (Methyl bromide)	50	48		1	97	2.1	60-140	20	03/10/2012 1154
2-Butanone (MEK)	100	90		1	90	0.48	60-140	20	03/10/2012 1154
Carbon disulfide	50	48		1	96	1.2	60-140	20	03/10/2012 1154
Carbon tetrachloride	50	48		1	96	1.9	70-130	20	03/10/2012 1154
Chlorobenzene	50	52		1	104	1.4	70-130	20	03/10/2012 1154
Chloroethane	50	47		1	95	1.5	42-163	20	03/10/2012 1154
Chloroform	50	52		1	105	1.1	70-130	20	03/10/2012 1154
Chloromethane (Methyl chloride)	50	44		1	89	0.96	20-158	20	03/10/2012 1154
Cyclohexane	50	47		1	94	1.6	70-130	20	03/10/2012 1154
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	1.0	70-130	20	03/10/2012 1154
Dibromochloromethane	50	47		1	94	0.32	70-130	20	03/10/2012 1154
1,2-Dibromoethane (EDB)	50	47		1	94	1.2	70-130	20	03/10/2012 1154
1,2-Dichlorobenzene	50	54		1	108	2.6	70-130	20	03/10/2012 1154
1,4-Dichlorobenzene	50	52		1	105	1.6	70-130	20	03/10/2012 1154
1,3-Dichlorobenzene	50	54		1	107	2.8	70-130	20	03/10/2012 1154
Dichlorodifluoromethane	50	47		1	94	3.5	60-140	20	03/10/2012 1154
1,1-Dichloroethane	50	51		1	101	1.0	70-130	20	03/10/2012 1154
1,2-Dichloroethane	50	49		1	98	1.9	70-130	20	03/10/2012 1154
cis-1,2-Dichloroethene	50	51		1	102	1.7	70-130	20	03/10/2012 1154
1,1-Dichloroethene	50	52		1	104	1.1	70-130	20	03/10/2012 1154
trans-1,2-Dichloroethene	50	51		1	102	0.076	70-130	20	03/10/2012 1154
1,2-Dichloropropane	50	53		1	106	2.1	70-130	20	03/10/2012 1154
cis-1,3-Dichloropropene	50	49		1	97	1.7	70-130	20	03/10/2012 1154
trans-1,3-Dichloropropene	50	47		1	95	0.71	70-130	20	03/10/2012 1154
1,4-Dioxane	500	770		1	154	6.5	43-173	20	03/10/2012 1154
Ethylbenzene	50	55		1	109	0.17	70-130	20	03/10/2012 1154
2-Hexanone	100	95		1	95	0.28	60-140	20	03/10/2012 1154
Isopropylbenzene	50	57		1	114	2.5	70-130	20	03/10/2012 1154
Methyl acetate	50	45		1	89	0.047	15-128	20	03/10/2012 1154
Methyl tertiary butyl ether (MTBE)	50	51		1	103	0.82	70-130	20	03/10/2012 1154
4-Methyl-2-pentanone	100	95		1	95	0.97	60-140	20	03/10/2012 1154
Methylcyclohexane	50	55		1	109	3.0	70-130	20	03/10/2012 1154
Methylene chloride	50	48		1	97	0.22	70-130	20	03/10/2012 1154
Styrene	50	52		1	103	0.43	70-130	20	03/10/2012 1154
1,1,2,2-Tetrachloroethane	50	55		1	109	0.11	70-130	20	03/10/2012 1154
Tetrachloroethene	50	53		1	106	0.17	70-130	20	03/10/2012 1154
Toluene	50	52		1	103	1.3	70-130	20	03/10/2012 1154
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	2.3	70-130	20	03/10/2012 1154
1,2,4-Trichlorobenzene	50	57		1	113	2.0	70-130	20	03/10/2012 1154
1,1,2-Trichloroethane	50	53		1	105	0.76	70-130	20	03/10/2012 1154

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79872-003
Batch: 79872
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,1,1-Trichloroethane	50	52		1	104	1.8	70-130	20	03/10/2012 1154
Trichloroethene	50	52		1	105	1.4	70-130	20	03/10/2012 1154
Trichlorofluoromethane	50	48		1	96	2.9	60-140	20	03/10/2012 1154
Vinyl chloride	50	50		1	101	0.038	60-140	20	03/10/2012 1154
Xylenes (total)	100	110		1	112	0.38	70-130	20	03/10/2012 1154

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79986-001
Batch: 79986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	03/12/2012 2123
Benzene	ND		1	0.50	ug/L	03/12/2012 2123
Bromodichloromethane	ND		1	0.50	ug/L	03/12/2012 2123
Bromoform	ND		1	0.50	ug/L	03/12/2012 2123
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	03/12/2012 2123
2-Butanone (MEK)	ND		1	10	ug/L	03/12/2012 2123
Carbon disulfide	ND		1	0.50	ug/L	03/12/2012 2123
Carbon tetrachloride	ND		1	0.50	ug/L	03/12/2012 2123
Chlorobenzene	ND		1	0.50	ug/L	03/12/2012 2123
Chloroethane	ND		1	0.50	ug/L	03/12/2012 2123
Chloroform	ND		1	0.50	ug/L	03/12/2012 2123
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	03/12/2012 2123
Cyclohexane	ND		1	0.50	ug/L	03/12/2012 2123
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	03/12/2012 2123
Dibromochloromethane	ND		1	0.50	ug/L	03/12/2012 2123
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	03/12/2012 2123
1,4-Dichlorobenzene	ND		1	0.50	ug/L	03/12/2012 2123
1,3-Dichlorobenzene	ND		1	0.50	ug/L	03/12/2012 2123
1,2-Dichlorobenzene	ND		1	0.50	ug/L	03/12/2012 2123
Dichlorodifluoromethane	ND		1	0.50	ug/L	03/12/2012 2123
1,2-Dichloroethane	ND		1	0.50	ug/L	03/12/2012 2123
1,1-Dichloroethane	ND		1	0.50	ug/L	03/12/2012 2123
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	03/12/2012 2123
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	03/12/2012 2123
1,1-Dichloroethene	ND		1	0.50	ug/L	03/12/2012 2123
1,2-Dichloropropane	ND		1	0.50	ug/L	03/12/2012 2123
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	03/12/2012 2123
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	03/12/2012 2123
Ethylbenzene	ND		1	0.50	ug/L	03/12/2012 2123
2-Hexanone	ND		1	10	ug/L	03/12/2012 2123
Isopropylbenzene	ND		1	0.50	ug/L	03/12/2012 2123
Methyl acetate	ND		1	1.0	ug/L	03/12/2012 2123
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	03/12/2012 2123
4-Methyl-2-pentanone	ND		1	10	ug/L	03/12/2012 2123
Methylcyclohexane	ND		1	5.0	ug/L	03/12/2012 2123
Methylene chloride	ND		1	0.50	ug/L	03/12/2012 2123
Styrene	ND		1	0.50	ug/L	03/12/2012 2123
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	03/12/2012 2123
Tetrachloroethene	ND		1	0.50	ug/L	03/12/2012 2123
Toluene	ND		1	0.50	ug/L	03/12/2012 2123
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	03/12/2012 2123
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	03/12/2012 2123
1,1,2-Trichloroethane	ND		1	0.50	ug/L	03/12/2012 2123
1,1,1-Trichloroethane	ND		1	0.50	ug/L	03/12/2012 2123

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79986-001
Batch: 79986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	03/12/2012 2123
Trichlorofluoromethane	ND		1	0.50	ug/L	03/12/2012 2123
Vinyl chloride	ND		1	0.50	ug/L	03/12/2012 2123
Xylenes (total)	ND		1	0.50	ug/L	03/12/2012 2123

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		121	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79986-002
Batch: 79986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	70		1	70	46-153	03/12/2012 1955
Benzene	50	47		1	93	70-130	03/12/2012 1955
Bromodichloromethane	50	49		1	97	70-130	03/12/2012 1955
Bromoform	50	45		1	91	70-130	03/12/2012 1955
Bromomethane (Methyl bromide)	50	51		1	102	60-140	03/12/2012 1955
2-Butanone (MEK)	100	86		1	86	60-140	03/12/2012 1955
Carbon disulfide	50	49		1	99	60-140	03/12/2012 1955
Carbon tetrachloride	50	52		1	105	70-130	03/12/2012 1955
Chlorobenzene	50	46		1	92	70-130	03/12/2012 1955
Chloroethane	50	44		1	88	42-163	03/12/2012 1955
Chloroform	50	50		1	99	70-130	03/12/2012 1955
Chloromethane (Methyl chloride)	50	45		1	91	20-158	03/12/2012 1955
Cyclohexane	50	47		1	94	70-130	03/12/2012 1955
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	03/12/2012 1955
Dibromochloromethane	50	48		1	97	70-130	03/12/2012 1955
1,2-Dibromoethane (EDB)	50	45		1	91	70-130	03/12/2012 1955
1,4-Dichlorobenzene	50	45		1	91	70-130	03/12/2012 1955
1,3-Dichlorobenzene	50	46		1	92	70-130	03/12/2012 1955
1,2-Dichlorobenzene	50	46		1	92	70-130	03/12/2012 1955
Dichlorodifluoromethane	50	45		1	91	60-140	03/12/2012 1955
1,2-Dichloroethane	50	49		1	98	70-130	03/12/2012 1955
1,1-Dichloroethane	50	48		1	96	70-130	03/12/2012 1955
trans-1,2-Dichloroethene	50	48		1	97	70-130	03/12/2012 1955
cis-1,2-Dichloroethene	50	48		1	95	70-130	03/12/2012 1955
1,1-Dichloroethene	50	52		1	104	70-130	03/12/2012 1955
1,2-Dichloropropane	50	47		1	95	70-130	03/12/2012 1955
trans-1,3-Dichloropropene	50	47		1	94	70-130	03/12/2012 1955
cis-1,3-Dichloropropene	50	50		1	99	70-130	03/12/2012 1955
Ethylbenzene	50	47		1	94	70-130	03/12/2012 1955
2-Hexanone	100	69		1	69	60-140	03/12/2012 1955
Isopropylbenzene	50	52		1	105	70-130	03/12/2012 1955
Methyl acetate	50	48		1	97	15-128	03/12/2012 1955
Methyl tertiary butyl ether (MTBE)	50	48		1	96	70-130	03/12/2012 1955
4-Methyl-2-pentanone	100	80		1	80	60-140	03/12/2012 1955
Methylcyclohexane	50	48		1	95	70-130	03/12/2012 1955
Methylene chloride	50	43		1	86	70-130	03/12/2012 1955
Styrene	50	47		1	94	70-130	03/12/2012 1955
1,1,2,2-Tetrachloroethane	50	47		1	95	70-130	03/12/2012 1955
Tetrachloroethene	50	48		1	96	70-130	03/12/2012 1955
Toluene	50	48		1	96	70-130	03/12/2012 1955
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	61		1	122	70-130	03/12/2012 1955
1,2,4-Trichlorobenzene	50	49		1	99	70-130	03/12/2012 1955
1,1,2-Trichloroethane	50	48		1	95	70-130	03/12/2012 1955
1,1,1-Trichloroethane	50	52		1	104	70-130	03/12/2012 1955

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79986-002
Batch: 79986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	95	70-130	03/12/2012 1955
Trichlorofluoromethane	50	51		1	101	60-140	03/12/2012 1955
Vinyl chloride	50	53		1	105	60-140	03/12/2012 1955
Xylenes (total)	100	93		1	93	70-130	03/12/2012 1955

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79986-003
Batch: 79986
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	68		1	68	3.5	46-153	20	03/12/2012 2017
Benzene	50	46		1	91	2.4	70-130	20	03/12/2012 2017
Bromodichloromethane	50	48		1	95	2.0	70-130	20	03/12/2012 2017
Bromoform	50	44		1	89	2.5	70-130	20	03/12/2012 2017
Bromomethane (Methyl bromide)	50	44		1	88	15	60-140	20	03/12/2012 2017
2-Butanone (MEK)	100	86		1	86	0.62	60-140	20	03/12/2012 2017
Carbon disulfide	50	47		1	95	4.4	60-140	20	03/12/2012 2017
Carbon tetrachloride	50	50		1	99	5.5	70-130	20	03/12/2012 2017
Chlorobenzene	50	46		1	92	0.82	70-130	20	03/12/2012 2017
Chloroethane	50	45		1	89	1.5	42-163	20	03/12/2012 2017
Chloroform	50	47		1	94	5.4	70-130	20	03/12/2012 2017
Chloromethane (Methyl chloride)	50	42		1	83	9.1	20-158	20	03/12/2012 2017
Cyclohexane	50	45		1	90	4.8	70-130	20	03/12/2012 2017
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	81	11	70-130	20	03/12/2012 2017
Dibromochloromethane	50	48		1	95	1.5	70-130	20	03/12/2012 2017
1,2-Dibromoethane (EDB)	50	47		1	93	2.5	70-130	20	03/12/2012 2017
1,4-Dichlorobenzene	50	45		1	90	1.2	70-130	20	03/12/2012 2017
1,3-Dichlorobenzene	50	45		1	90	2.6	70-130	20	03/12/2012 2017
1,2-Dichlorobenzene	50	45		1	89	2.8	70-130	20	03/12/2012 2017
Dichlorodifluoromethane	50	41		1	81	11	60-140	20	03/12/2012 2017
1,2-Dichloroethane	50	47		1	93	5.0	70-130	20	03/12/2012 2017
1,1-Dichloroethane	50	46		1	93	2.9	70-130	20	03/12/2012 2017
trans-1,2-Dichloroethene	50	46		1	93	4.4	70-130	20	03/12/2012 2017
cis-1,2-Dichloroethene	50	46		1	91	4.3	70-130	20	03/12/2012 2017
1,1-Dichloroethene	50	49		1	99	5.1	70-130	20	03/12/2012 2017
1,2-Dichloropropane	50	47		1	93	1.8	70-130	20	03/12/2012 2017
trans-1,3-Dichloropropene	50	47		1	95	0.89	70-130	20	03/12/2012 2017
cis-1,3-Dichloropropene	50	49		1	99	0.44	70-130	20	03/12/2012 2017
Ethylbenzene	50	46		1	92	2.1	70-130	20	03/12/2012 2017
2-Hexanone	100	71		1	71	3.3	60-140	20	03/12/2012 2017
Isopropylbenzene	50	51		1	102	2.7	70-130	20	03/12/2012 2017
Methyl acetate	50	46		1	93	3.7	15-128	20	03/12/2012 2017
Methyl tertiary butyl ether (MTBE)	50	45		1	91	5.3	70-130	20	03/12/2012 2017
4-Methyl-2-pentanone	100	80		1	80	0.37	60-140	20	03/12/2012 2017
Methylcyclohexane	50	45		1	91	4.8	70-130	20	03/12/2012 2017
Methylene chloride	50	42		1	84	2.5	70-130	20	03/12/2012 2017
Styrene	50	47		1	95	0.76	70-130	20	03/12/2012 2017
1,1,2,2-Tetrachloroethane	50	47		1	94	0.52	70-130	20	03/12/2012 2017
Tetrachloroethene	50	47		1	94	2.1	70-130	20	03/12/2012 2017
Toluene	50	47		1	95	1.0	70-130	20	03/12/2012 2017
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	113	7.2	70-130	20	03/12/2012 2017
1,2,4-Trichlorobenzene	50	45		1	90	9.1	70-130	20	03/12/2012 2017
1,1,2-Trichloroethane	50	47		1	94	1.0	70-130	20	03/12/2012 2017
1,1,1-Trichloroethane	50	49		1	98	5.4	70-130	20	03/12/2012 2017

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79986-003
Batch: 79986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	47		1	93	2.5	70-130	20	03/12/2012 2017
Trichlorofluoromethane	50	47		1	94	7.3	60-140	20	03/12/2012 2017
Vinyl chloride	50	47		1	95	10	60-140	20	03/12/2012 2017
Xylenes (total)	100	91		1	91	2.0	70-130	20	03/12/2012 2017

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: NQ79139-001
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1'-Biphenyl	ND		1	5.0	ug/L	03/13/2012 1041
2,4,5-Trichlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4,6-Trichlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4-Dichlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4-Dimethylphenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4-Dinitrophenol	ND		1	25	ug/L	03/13/2012 1041
2,4-Dinitrotoluene	ND		1	10	ug/L	03/13/2012 1041
2,6-Dinitrotoluene	ND		1	10	ug/L	03/13/2012 1041
2-Chloronaphthalene	ND		1	5.0	ug/L	03/13/2012 1041
2-Chlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2-Methylnaphthalene	ND		1	5.0	ug/L	03/13/2012 1041
2-Methylphenol	ND		1	5.0	ug/L	03/13/2012 1041
2-Nitroaniline	ND		1	10	ug/L	03/13/2012 1041
2-Nitrophenol	ND		1	10	ug/L	03/13/2012 1041
3 & 4-Methylphenol	ND		1	10	ug/L	03/13/2012 1041
3,3'-Dichlorobenzidine	ND		1	25	ug/L	03/13/2012 1041
3-Nitroaniline	ND		1	10	ug/L	03/13/2012 1041
4,6-Dinitro-2-methylphenol	ND		1	25	ug/L	03/13/2012 1041
4-Bromophenyl phenyl ether	ND		1	5.0	ug/L	03/13/2012 1041
4-Chloro-3-methyl phenol	ND		1	5.0	ug/L	03/13/2012 1041
4-Chloroaniline	ND		1	5.0	ug/L	03/13/2012 1041
4-Chlorophenyl phenyl ether	ND		1	5.0	ug/L	03/13/2012 1041
4-Nitroaniline	ND		1	10	ug/L	03/13/2012 1041
4-Nitrophenol	ND		1	25	ug/L	03/13/2012 1041
Acenaphthene	ND		1	5.0	ug/L	03/13/2012 1041
Acenaphthylene	ND		1	5.0	ug/L	03/13/2012 1041
Acetophenone	ND		1	5.0	ug/L	03/13/2012 1041
Anthracene	ND		1	5.0	ug/L	03/13/2012 1041
Atrazine	ND		1	5.0	ug/L	03/13/2012 1041
Benzaldehyde	ND		1	25	ug/L	03/13/2012 1041
Benzo(a)anthracene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(a)pyrene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(b)fluoranthene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(g,h,i)perylene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(k)fluoranthene	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Chloroethoxy)methane	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Chloroethyl)ether	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Chloroisopropyl)ether	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Ethylhexyl)phthalate	ND		1	5.0	ug/L	03/13/2012 1041
Butyl benzyl phthalate	ND		1	10	ug/L	03/13/2012 1041
Caprolactam	ND		1	25	ug/L	03/13/2012 1041
Carbazole	ND		1	5.0	ug/L	03/13/2012 1041
Chrysene	ND		1	5.0	ug/L	03/13/2012 1041
Di-n-butyl phthalate	ND		1	5.0	ug/L	03/13/2012 1041

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: NQ79139-001
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	ug/L	03/13/2012 1041
Dibenzo(a,h)anthracene	ND		1	5.0	ug/L	03/13/2012 1041
Dibenzofuran	ND		1	5.0	ug/L	03/13/2012 1041
Diethylphthalate	ND		1	5.0	ug/L	03/13/2012 1041
Dimethyl phthalate	ND		1	5.0	ug/L	03/13/2012 1041
Fluoranthene	ND		1	5.0	ug/L	03/13/2012 1041
Fluorene	ND		1	5.0	ug/L	03/13/2012 1041
Hexachlorobenzene	ND		1	5.0	ug/L	03/13/2012 1041
Hexachlorobutadiene	ND		1	5.0	ug/L	03/13/2012 1041
Hexachlorocyclopentadiene	ND		1	25	ug/L	03/13/2012 1041
Hexachloroethane	ND		1	5.0	ug/L	03/13/2012 1041
Indeno(1,2,3-c,d)pyrene	ND		1	5.0	ug/L	03/13/2012 1041
Isophorone	ND		1	5.0	ug/L	03/13/2012 1041
N-Nitrosodi-n-propylamine	ND		1	5.0	ug/L	03/13/2012 1041
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	5.0	ug/L	03/13/2012 1041
Naphthalene	ND		1	5.0	ug/L	03/13/2012 1041
Nitrobenzene	ND		1	5.0	ug/L	03/13/2012 1041
Pentachlorophenol	ND		1	25	ug/L	03/13/2012 1041
Phenanthrene	ND		1	5.0	ug/L	03/13/2012 1041
Phenol	ND		1	5.0	ug/L	03/13/2012 1041
Pyrene	ND		1	5.0	ug/L	03/13/2012 1041

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		84	41-144
2-Fluorobiphenyl		83	37-129
2-Fluorophenol		83	24-127
Nitrobenzene-d5		82	38-127
Phenol-d5		84	28-128
Terphenyl-d14		86	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79139-002
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	100	94		1	94	30-130	03/13/2012 1106
2,4,6-Trichlorophenol	100	95		1	95	30-130	03/13/2012 1106
2,4-Dichlorophenol	100	99		1	99	30-130	03/13/2012 1106
2,4-Dimethylphenol	100	150	N	1	152	30-130	03/13/2012 1106
2,4-Dinitrophenol	500	480		1	95	30-130	03/13/2012 1106
2,4-Dinitrotoluene	200	190		1	97	30-130	03/13/2012 1106
2,6-Dinitrotoluene	200	200		1	99	30-130	03/13/2012 1106
2-Chloronaphthalene	100	83		1	83	30-130	03/13/2012 1106
2-Chlorophenol	100	100		1	100	30-130	03/13/2012 1106
2-Methylnaphthalene	100	100		1	103	30-130	03/13/2012 1106
2-Methylphenol	100	100		1	105	30-130	03/13/2012 1106
2-Nitroaniline	200	190		1	95	30-130	03/13/2012 1106
2-Nitrophenol	200	200		1	98	30-130	03/13/2012 1106
3 & 4-Methylphenol	200	210		1	105	30-130	03/13/2012 1106
3-Nitroaniline	200	200		1	101	30-130	03/13/2012 1106
4,6-Dinitro-2-methylphenol	500	510		1	102	30-130	03/13/2012 1106
4-Bromophenyl phenyl ether	100	97		1	97	30-130	03/13/2012 1106
4-Chloro-3-methyl phenol	100	100		1	101	30-130	03/13/2012 1106
4-Chloroaniline	100	23		1	23	10-130	03/13/2012 1106
4-Chlorophenyl phenyl ether	100	97		1	97	30-130	03/13/2012 1106
4-Nitroaniline	200	200		1	101	30-130	03/13/2012 1106
4-Nitrophenol	500	500		1	100	30-130	03/13/2012 1106
Acenaphthene	100	98		1	98	30-130	03/13/2012 1106
Acenaphthylene	100	110		1	111	30-130	03/13/2012 1106
Anthracene	100	100		1	101	30-130	03/13/2012 1106
Benzo(a)anthracene	100	99		1	99	30-130	03/13/2012 1106
Benzo(a)pyrene	100	110		1	110	30-130	03/13/2012 1106
Benzo(b)fluoranthene	100	99		1	99	30-130	03/13/2012 1106
Benzo(g,h,i)perylene	100	94		1	94	30-130	03/13/2012 1106
Benzo(k)fluoranthene	100	99		1	99	30-130	03/13/2012 1106
bis(2-Chloroethoxy)methane	100	97		1	97	30-130	03/13/2012 1106
bis(2-Chloroethyl)ether	100	95		1	95	30-130	03/13/2012 1106
bis(2-Chloroisopropyl)ether	100	63		1	63	30-130	03/13/2012 1106
bis(2-Ethylhexyl)phthalate	100	110		1	109	30-130	03/13/2012 1106
Butyl benzyl phthalate	100	100		1	105	30-130	03/13/2012 1106
Carbazole	100	100		1	104	30-130	03/13/2012 1106
Chrysene	100	96		1	96	30-130	03/13/2012 1106
Di-n-butyl phthalate	100	100		1	104	30-130	03/13/2012 1106
Di-n-octylphthalate	100	100		1	103	30-130	03/13/2012 1106
Dibenzo(a,h)anthracene	100	98		1	98	30-130	03/13/2012 1106
Dibenzofuran	100	97		1	97	30-130	03/13/2012 1106
Diethylphthalate	100	97		1	97	30-130	03/13/2012 1106
Dimethyl phthalate	100	98		1	98	30-130	03/13/2012 1106
Fluoranthene	100	100		1	101	30-130	03/13/2012 1106

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79139-002
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	100	97		1	97	30-130	03/13/2012 1106
Hexachlorobenzene	100	99		1	99	30-130	03/13/2012 1106
Hexachlorobutadiene	100	95		1	95	30-130	03/13/2012 1106
Hexachlorocyclopentadiene	500	330		1	66	30-130	03/13/2012 1106
Hexachloroethane	100	94		1	94	30-130	03/13/2012 1106
Indeno(1,2,3-c,d)pyrene	100	97		1	97	30-130	03/13/2012 1106
Isophorone	100	100		1	100	30-130	03/13/2012 1106
N-Nitrosodi-n-propylamine	100	100		1	103	30-130	03/13/2012 1106
N-Nitrosodiphenylamine (Diphenylamine)	22	13		1	61	18-180	03/13/2012 1106
Naphthalene	100	93		1	93	30-130	03/13/2012 1106
Nitrobenzene	100	97		1	97	30-130	03/13/2012 1106
Pentachlorophenol	500	450		1	90	30-130	03/13/2012 1106
Phenanthrene	100	99		1	99	30-130	03/13/2012 1106
Phenol	100	96		1	96	30-130	03/13/2012 1106
Pyrene	100	100		1	105	30-130	03/13/2012 1106

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		108	41-144
2-Fluorobiphenyl		102	37-129
2-Fluorophenol		97	24-127
Nitrobenzene-d5		100	38-127
Phenol-d5		102	28-128
Terphenyl-d14		97	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: NB28016-006MS
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	200	200		1	98	30-130	03/13/2012 1221
Acenaphthylene	ND	200	220		1	109	30-130	03/13/2012 1221
Anthracene	ND	200	200		1	100	30-130	03/13/2012 1221
Benzo(a)anthracene	ND	200	200		1	99	30-130	03/13/2012 1221
Benzo(a)pyrene	ND	200	220		1	109	30-130	03/13/2012 1221
Benzo(b)fluoranthene	ND	200	200		1	100	30-130	03/13/2012 1221
Benzo(g,h,i)perylene	ND	200	200		1	96	30-130	03/13/2012 1221
Benzo(k)fluoranthene	ND	200	190		1	95	30-130	03/13/2012 1221
4-Bromophenyl phenyl ether	ND	200	200		1	98	30-130	03/13/2012 1221
Butyl benzyl phthalate	ND	200	210		1	105	30-130	03/13/2012 1221
Carbazole	ND	200	210		1	103	30-130	03/13/2012 1221
4-Chloro-3-methyl phenol	ND	200	210		1	104	30-130	03/13/2012 1221
4-Chloroaniline	ND	200	42		1	20	10-130	03/13/2012 1221
bis(2-Chloroethoxy)methane	ND	200	190		1	95	30-130	03/13/2012 1221
bis(2-Chloroethyl)ether	ND	200	200		1	96	30-130	03/13/2012 1221
bis(2-Chloroisopropyl)ether	ND	200	160		1	77	30-130	03/13/2012 1221
2-Chloronaphthalene	ND	200	160		1	80	30-130	03/13/2012 1221
2-Chlorophenol	ND	200	200		1	100	30-130	03/13/2012 1221
4-Chlorophenyl phenyl ether	ND	200	200		1	96	30-130	03/13/2012 1221
Chrysene	ND	200	190		1	95	30-130	03/13/2012 1221
Di-n-butyl phthalate	ND	200	210		1	104	30-130	03/13/2012 1221
Di-n-octylphthalate	ND	200	210		1	103	30-130	03/13/2012 1221
Dibenzo(a,h)anthracene	ND	200	200		1	99	30-130	03/13/2012 1221
Dibenzofuran	ND	200	200		1	97	30-130	03/13/2012 1221
2,4-Dichlorophenol	ND	200	200		1	100	30-130	03/13/2012 1221
Diethylphthalate	ND	200	200		1	97	30-130	03/13/2012 1221
Dimethyl phthalate	ND	200	200		1	98	30-130	03/13/2012 1221
2,4-Dimethylphenol	ND	200	330	N	1	163	30-130	03/13/2012 1221
4,6-Dinitro-2-methylphenol	ND	1000	1000		1	102	30-130	03/13/2012 1221
2,4-Dinitrophenol	ND	1000	980		1	96	30-130	03/13/2012 1221
2,4-Dinitrotoluene	ND	410	400		1	97	30-130	03/13/2012 1221
2,6-Dinitrotoluene	ND	410	410		1	100	30-130	03/13/2012 1221
bis(2-Ethylhexyl)phthalate	ND	200	220		1	109	70-131	03/13/2012 1221
Fluoranthene	ND	200	200		1	100	30-130	03/13/2012 1221
Fluorene	ND	200	200		1	96	30-130	03/13/2012 1221
Hexachlorobenzene	ND	200	200		1	98	30-130	03/13/2012 1221
Hexachlorobutadiene	ND	200	190		1	93	30-130	03/13/2012 1221
Hexachlorocyclopentadiene	ND	1000	700		1	68	30-130	03/13/2012 1221
Hexachloroethane	ND	200	190		1	91	30-130	03/13/2012 1221
Indeno(1,2,3-c,d)pyrene	ND	200	200		1	96	30-130	03/13/2012 1221
Isophorone	ND	200	200		1	99	30-130	03/13/2012 1221
2-Methylnaphthalene	ND	200	210		1	103	30-130	03/13/2012 1221
2-Methylphenol	ND	200	210		1	105	30-130	03/13/2012 1221
3 & 4-Methylphenol	ND	410	430		1	105	30-130	03/13/2012 1221

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: NB28016-006MS
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
N-Nitrosodi-n-propylamine	ND	200	210		1	102	30-130	03/13/2012 1221
N-Nitrosodiphenylamine (Diphenylamine)	ND	44	27		1	61	30-130	03/13/2012 1221
Naphthalene	ND	200	190		1	92	30-130	03/13/2012 1221
2-Nitroaniline	ND	410	380		1	94	30-130	03/13/2012 1221
3-Nitroaniline	ND	410	400		1	97	30-130	03/13/2012 1221
4-Nitroaniline	ND	410	400		1	99	30-130	03/13/2012 1221
Nitrobenzene	ND	200	200		1	96	30-130	03/13/2012 1221
2-Nitrophenol	ND	410	390		1	96	30-130	03/13/2012 1221
4-Nitrophenol	ND	1000	1000		1	100	30-130	03/13/2012 1221
Pentachlorophenol	ND	1000	910		1	89	30-130	03/13/2012 1221
Phenanthrene	ND	200	200		1	97	30-130	03/13/2012 1221
Phenol	ND	200	200		1	97	30-130	03/13/2012 1221
Pyrene	ND	200	210		1	105	30-130	03/13/2012 1221
2,4,5-Trichlorophenol	ND	200	190		1	95	30-130	03/13/2012 1221
2,4,6-Trichlorophenol	ND	200	190		1	95	30-130	03/13/2012 1221

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		104	41-144
2-Fluorobiphenyl		100	37-129
2-Fluorophenol		96	24-127
Nitrobenzene-d5		99	38-127
Phenol-d5		102	28-128
Terphenyl-d14		96	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: NB28016-006MD
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	200	190		1	95	3.1	30-130	20	03/13/2012 1246
Acenaphthylene	ND	200	220		1	107	1.1	30-130	20	03/13/2012 1246
Anthracene	ND	200	200		1	96	3.9	30-130	20	03/13/2012 1246
Benzo(a)anthracene	ND	200	190		1	95	4.2	30-130	20	03/13/2012 1246
Benzo(a)pyrene	ND	200	220		1	106	3.2	30-130	20	03/13/2012 1246
Benzo(b)fluoranthene	ND	200	200		1	97	3.1	30-130	20	03/13/2012 1246
Benzo(g,h,i)perylene	ND	200	190		1	91	5.1	30-130	20	03/13/2012 1246
Benzo(k)fluoranthene	ND	200	190		1	92	2.9	30-130	20	03/13/2012 1246
4-Bromophenyl phenyl ether	ND	200	190		1	93	4.6	30-130	20	03/13/2012 1246
Butyl benzyl phthalate	ND	200	210		1	103	2.0	30-130	20	03/13/2012 1246
Carbazole	ND	200	200		1	100	2.8	30-130	20	03/13/2012 1246
4-Chloro-3-methyl phenol	ND	200	210		1	102	2.1	30-130	20	03/13/2012 1246
4-Chloroaniline	ND	200	49		1	24	16	10-130	40	03/13/2012 1246
bis(2-Chloroethoxy)methane	ND	200	190		1	94	0.94	30-130	20	03/13/2012 1246
bis(2-Chloroethyl)ether	ND	200	190		1	94	1.7	30-130	20	03/13/2012 1246
bis(2-Chloroisopropyl)ether	ND	200	160		1	78	0.78	30-130	20	03/13/2012 1246
2-Chloronaphthalene	ND	200	160		1	78	2.5	30-130	20	03/13/2012 1246
2-Chlorophenol	ND	200	200		1	100	0.33	30-130	20	03/13/2012 1246
4-Chlorophenyl phenyl ether	ND	200	190		1	93	3.6	30-130	20	03/13/2012 1246
Chrysene	ND	200	190		1	91	4.7	30-130	20	03/13/2012 1246
Di-n-butyl phthalate	ND	200	200		1	100	4.7	30-130	20	03/13/2012 1246
Di-n-octylphthalate	ND	200	200		1	99	3.2	30-130	20	03/13/2012 1246
Dibenzo(a,h)anthracene	ND	200	190		1	94	5.1	30-130	20	03/13/2012 1246
Dibenzofuran	ND	200	190		1	95	2.5	30-130	20	03/13/2012 1246
2,4-Dichlorophenol	ND	200	200		1	99	1.1	30-130	20	03/13/2012 1246
Diethylphthalate	ND	200	190		1	95	2.0	30-130	20	03/13/2012 1246
Dimethyl phthalate	ND	200	200		1	97	0.85	30-130	20	03/13/2012 1246
2,4-Dimethylphenol	ND	200	320	N	1	158	2.9	30-130	20	03/13/2012 1246
4,6-Dinitro-2-methylphenol	ND	1000	1000		1	102	0.78	30-130	20	03/13/2012 1246
2,4-Dinitrophenol	ND	1000	970		1	95	0.78	30-130	20	03/13/2012 1246
2,4-Dinitrotoluene	ND	410	390		1	95	2.0	30-130	20	03/13/2012 1246
2,6-Dinitrotoluene	ND	410	400		1	97	2.8	30-130	20	03/13/2012 1246
bis(2-Ethylhexyl)phthalate	ND	200	220		1	106	2.9	70-131	40	03/13/2012 1246
Fluoranthene	ND	200	200		1	97	2.8	30-130	20	03/13/2012 1246
Fluorene	ND	200	190		1	94	3.0	30-130	20	03/13/2012 1246
Hexachlorobenzene	ND	200	190		1	93	5.7	30-130	20	03/13/2012 1246
Hexachlorobutadiene	ND	200	180		1	90	3.7	30-130	20	03/13/2012 1246
Hexachlorocyclopentadiene	ND	1000	680		1	67	2.0	30-130	20	03/13/2012 1246
Hexachloroethane	ND	200	190		1	91	0.079	30-130	20	03/13/2012 1246
Indeno(1,2,3-c,d)pyrene	ND	200	190		1	93	3.8	30-130	20	03/13/2012 1246
Isophorone	ND	200	200		1	99	0.48	30-130	20	03/13/2012 1246
2-Methylnaphthalene	ND	200	210		1	101	2.6	30-130	20	03/13/2012 1246
2-Methylphenol	ND	200	220		1	106	1.5	30-130	20	03/13/2012 1246
3 & 4-Methylphenol	ND	410	430		1	104	0.57	30-130	20	03/13/2012 1246

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: NB28016-006MD
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
N-Nitrosodi-n-propylamine	ND	200	210		1	102	0.51	30-130	20	03/13/2012 1246
N-Nitrosodiphenylamine (Diphenylamine)	ND	44	26		1	59	3.2	30-130	20	03/13/2012 1246
Naphthalene	ND	200	180		1	90	2.2	30-130	20	03/13/2012 1246
2-Nitroaniline	ND	410	380		1	92	1.3	30-130	20	03/13/2012 1246
3-Nitroaniline	ND	410	410		1	100	3.0	30-130	20	03/13/2012 1246
4-Nitroaniline	ND	410	400		1	99	0.13	30-130	20	03/13/2012 1246
Nitrobenzene	ND	200	200		1	97	1.2	30-130	20	03/13/2012 1246
2-Nitrophenol	ND	410	390		1	95	1.8	30-130	20	03/13/2012 1246
4-Nitrophenol	ND	1000	980		1	96	4.1	30-130	20	03/13/2012 1246
Pentachlorophenol	ND	1000	870		1	86	4.3	30-130	20	03/13/2012 1246
Phenanthrene	ND	200	190		1	93	4.1	30-130	20	03/13/2012 1246
Phenol	ND	200	190		1	95	1.2	30-130	20	03/13/2012 1246
Pyrene	ND	200	200		1	99	5.4	30-130	20	03/13/2012 1246
2,4,5-Trichlorophenol	ND	200	190		1	91	3.9	30-130	20	03/13/2012 1246
2,4,6-Trichlorophenol	ND	200	180		1	90	4.7	30-130	20	03/13/2012 1246

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		101	41-144
2-Fluorobiphenyl		95	37-129
2-Fluorophenol		96	24-127
Nitrobenzene-d5		101	38-127
Phenol-d5		101	28-128
Terphenyl-d14		92	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: NQ79041-001
Batch: 79041
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/29/2012 2345

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	ug/L	03/06/2012 1006
4,4'-DDE	ND		1	0.025	ug/L	03/06/2012 1006
4,4'-DDT	**0.040**		**1**	**0.025**	**ug/L**	**03/06/2012 1006**
Aldrin	ND		1	0.025	ug/L	03/06/2012 1006
alpha-BHC	ND		1	0.025	ug/L	03/06/2012 1006
alpha-Chlordane	ND		1	0.025	ug/L	03/06/2012 1006
beta-BHC	ND		1	0.025	ug/L	03/06/2012 1006
delta-BHC	ND		1	0.025	ug/L	03/06/2012 1006
Dieldrin	ND		1	0.025	ug/L	03/06/2012 1006
Endosulfan I	ND		1	0.025	ug/L	03/06/2012 1006
Endosulfan II	ND		1	0.025	ug/L	03/06/2012 1006
Endosulfan sulfate	ND		1	0.025	ug/L	03/06/2012 1006
Endrin	ND		1	0.025	ug/L	03/06/2012 1006
Endrin aldehyde	ND		1	0.025	ug/L	03/06/2012 1006
Endrin ketone	ND		1	0.025	ug/L	03/06/2012 1006
gamma-BHC (Lindane)	ND		1	0.025	ug/L	03/06/2012 1006
gamma-Chlordane	ND		1	0.025	ug/L	03/06/2012 1006
Heptachlor	ND		1	0.025	ug/L	03/06/2012 1006
Heptachlor epoxide	ND		1	0.025	ug/L	03/06/2012 1006
Methoxychlor	ND		1	0.10	ug/L	03/06/2012 1006
Toxaphene	ND		1	0.25	ug/L	03/06/2012 1006

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		50	20-131
Tetrachloro-m-xylene		102	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: NQ79041-002
Batch: 79041
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/29/2012 2345

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.60		1	119	70-130	03/06/2012 1026
4,4'-DDE	0.50	0.58		1	117	70-130	03/06/2012 1026
4,4'-DDT	0.50	0.58		1	116	70-130	03/06/2012 1026
Aldrin	0.50	0.54		1	108	70-130	03/06/2012 1026
alpha-BHC	0.50	0.58		1	115	70-130	03/06/2012 1026
beta-BHC	0.50	0.65		1	129	70-130	03/06/2012 1026
delta-BHC	0.50	0.52		1	103	70-130	03/06/2012 1026
Dieldrin	0.50	0.56		1	113	70-130	03/06/2012 1026
Endosulfan I	0.50	0.50		1	100	70-130	03/06/2012 1026
Endosulfan II	0.50	0.54		1	109	70-130	03/06/2012 1026
Endosulfan sulfate	0.50	0.58		1	117	70-130	03/06/2012 1026
Endrin	0.50	0.61		1	123	70-130	03/06/2012 1026
Endrin aldehyde	0.50	0.44		1	88	70-130	03/06/2012 1026
gamma-BHC (Lindane)	0.50	0.62		1	124	70-130	03/06/2012 1026
gamma-Chlordane	0.50	0.59		1	118	70-130	03/06/2012 1026
Heptachlor	0.50	0.60		1	120	70-130	03/06/2012 1026
Heptachlor epoxide	0.50	0.52		1	104	70-130	03/06/2012 1026
Methoxychlor	0.50	0.56		1	112	70-130	03/06/2012 1026

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		51	20-131
Tetrachloro-m-xylene		104	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MS

Sample ID: NB28016-004MS
Batch: 79041
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/29/2012 2345

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	1.0	1.0		1	101	70-130	03/05/2012 2120
alpha-BHC	ND	1.0	1.0		1	99	70-130	03/05/2012 2120
beta-BHC	ND	1.0	1.3		1	127	70-130	03/05/2012 2120
delta-BHC	ND	1.0	0.95		1	93	70-130	03/05/2012 2120
gamma-BHC (Lindane)	ND	1.0	0.98		1	96	70-130	03/05/2012 2120
gamma-Chlordane	ND	1.0	0.98		1	96	70-130	03/05/2012 2120
4,4'-DDD	ND	1.0	1.0		1	99	70-130	03/05/2012 2120
4,4'-DDE	ND	1.0	0.99		1	97	70-130	03/05/2012 2120
4,4'-DDT	ND	1.0	1.1		1	106	70-130	03/05/2012 2120
Dieldrin	ND	1.0	0.99		1	97	70-130	03/05/2012 2120
Endosulfan I	ND	1.0	0.94		1	92	70-130	03/05/2012 2120
Endosulfan II	ND	1.0	0.94		1	92	70-130	03/05/2012 2120
Endosulfan sulfate	ND	1.0	0.98		1	96	70-130	03/05/2012 2120
Endrin	ND	1.0	1.1		1	106	70-130	03/05/2012 2120
Endrin aldehyde	ND	1.0	0.85		1	83	70-130	03/05/2012 2120
Heptachlor	ND	1.0	1.0		1	99	70-130	03/05/2012 2120
Heptachlor epoxide	ND	1.0	1.0		1	100	70-130	03/05/2012 2120
Methoxychlor	ND	1.0	1.0		1	103	70-130	03/05/2012 2120

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		64	20-131
Tetrachloro-m-xylene		89	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MSD

Sample ID: NB28016-004MD
Batch: 79041
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/29/2012 2345

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	1.1	1.1		1	100	3.7	70-130	30	03/05/2012 2140
alpha-BHC	ND	1.1	1.0		1	98	2.9	70-130	30	03/05/2012 2140
beta-BHC	ND	1.1	0.98		1	92	28	70-130	30	03/05/2012 2140
delta-BHC	ND	1.1	0.97		1	91	2.3	70-130	30	03/05/2012 2140
gamma-BHC (Lindane)	ND	1.1	1.0		1	94	2.4	70-130	30	03/05/2012 2140
gamma-Chlordane	ND	1.1	1.0		1	96	4.1	70-130	30	03/05/2012 2140
4,4'-DDD	ND	1.1	1.0		1	98	3.3	70-130	30	03/05/2012 2140
4,4'-DDE	ND	1.1	1.0		1	96	3.5	70-130	30	03/05/2012 2140
4,4'-DDT	ND	1.1	1.0		1	96	5.0	70-130	30	03/05/2012 2140
Dieldrin	ND	1.1	1.0		1	96	2.5	70-130	30	03/05/2012 2140
Endosulfan I	ND	1.1	0.96		1	91	2.9	70-130	30	03/05/2012 2140
Endosulfan II	ND	1.1	0.97		1	92	3.1	70-130	30	03/05/2012 2140
Endosulfan sulfate	ND	1.1	1.0		1	95	2.6	70-130	30	03/05/2012 2140
Endrin	ND	1.1	1.1		1	103	0.51	70-130	30	03/05/2012 2140
Endrin aldehyde	ND	1.1	0.92		1	86	7.5	70-130	30	03/05/2012 2140
Heptachlor	ND	1.1	1.0		1	97	2.0	70-130	30	03/05/2012 2140
Heptachlor epoxide	ND	1.1	1.0		1	97	1.3	70-130	30	03/05/2012 2140
Methoxychlor	ND	1.1	1.1		1	99	0.45	70-130	30	03/05/2012 2140

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		53	20-131
Tetrachloro-m-xylene		87	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ79143-001
Batch: 79143
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 03/01/2012 1903

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	0.20	mg/L	03/02/2012 2305
Arsenic	ND		1	0.010	mg/L	03/02/2012 2305
Barium	ND		1	0.025	mg/L	03/02/2012 2305
Cadmium	ND		1	0.0020	mg/L	03/02/2012 2305
Chromium	ND		1	0.0050	mg/L	03/02/2012 2305
Copper	ND		1	0.0050	mg/L	03/02/2012 2305
Iron	ND		1	0.10	mg/L	03/02/2012 2305
Lead	ND		1	0.010	mg/L	03/02/2012 2305
Magnesium	ND		1	5.0	mg/L	03/02/2012 2305
Manganese	ND		1	0.015	mg/L	03/02/2012 2305
Nickel	ND		1	0.040	mg/L	03/02/2012 2305
Silver	ND		1	0.0050	mg/L	03/02/2012 2305
Zinc	ND		1	0.020	mg/L	03/02/2012 2305

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ79143-002
Batch: 79143
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 03/01/2012 1903

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	20	19		1	96	80-120	03/02/2012 2312
Arsenic	0.40	0.40		1	99	80-120	03/02/2012 2312
Barium	2.0	2.0		1	100	80-120	03/02/2012 2312
Cadmium	0.40	0.42		1	104	80-120	03/02/2012 2312
Chromium	2.0	2.0		1	98	80-120	03/02/2012 2312
Copper	2.0	2.0		1	98	80-120	03/02/2012 2312
Iron	20	19		1	97	80-120	03/02/2012 2312
Lead	0.40	0.39		1	98	80-120	03/02/2012 2312
Magnesium	40	40		1	101	80-120	03/02/2012 2312
Manganese	2.0	2.0		1	101	80-120	03/02/2012 2312
Nickel	2.0	2.0		1	99	80-120	03/02/2012 2312
Silver	0.40	0.39		1	98	80-120	03/02/2012 2312
Zinc	2.0	2.0		1	100	80-120	03/02/2012 2312

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ79143-003
Batch: 79143
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 03/01/2012 1903

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	20	19		1	96	0.52	80-120	20	03/02/2012 2318
Arsenic	0.40	0.40		1	99	0.35	80-120	20	03/02/2012 2318
Barium	2.0	2.0		1	99	0.34	80-120	20	03/02/2012 2318
Cadmium	0.40	0.42		1	104	0.055	80-120	20	03/02/2012 2318
Chromium	2.0	2.0		1	98	0.17	80-120	20	03/02/2012 2318
Copper	2.0	2.0		1	98	0.28	80-120	20	03/02/2012 2318
Iron	20	19		1	97	0.55	80-120	20	03/02/2012 2318
Lead	0.40	0.39		1	98	0.39	80-120	20	03/02/2012 2318
Magnesium	40	40		1	101	0.24	80-120	20	03/02/2012 2318
Manganese	2.0	2.0		1	100	0.87	80-120	20	03/02/2012 2318
Nickel	2.0	2.0		1	99	0.16	80-120	20	03/02/2012 2318
Silver	0.40	0.39		1	98	0.71	80-120	20	03/02/2012 2318
Zinc	2.0	2.0		1	100	0.13	80-120	20	03/02/2012 2318

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ79237-001
Batch: 79237
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 03/02/2012 1807

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	03/02/2012 2256

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ79237-002
Batch: 79237
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 03/02/2012 1807

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0022		1	108	85-115	03/02/2012 2259

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ79237-003
Batch: 79237
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 03/02/2012 1807

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0022		1	111	2.3	85-115	20	03/02/2012 2301

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 08192

Client: NCDENR-DWM	Report to Contact: Vincent Antrilli	Sampler (Printed Name): Vincent Antrilli	Quote No.
Address: 217 W. Jones St	Telephone No. / Fax No. / Email: 919-707-8353	Waybill No.	Page ___ of ___
City: Raleigh; State: NC; Zip Code: 27603	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: VFW Rd			Lot No. NB 28016
Project Number	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix GW	DW	WW	S	Other	Analysis VOC's	1,4-Dioxane 8260	SVOC's	Metals	Pesticides	Remarks / Cooler ID
									20	20	6	4	6	Number of Containers
									A	A	I	C	I	Bottle (See instructions on back)
									5	5	1	4	1	Preservative
Trip Blank	2/27/12								2	2	2	2	2	
VFW-1	↓			✓					3	3	–	–	–	
VFW-2				✓					3	3	–	–	–	
VFW-3				✓					3	3	2	1	2	
VFW-4				✓					3	3	–	–	–	
VFW-5				✓					3	3	2	1	2	
VFW-6				✓					3	3	–	–	–	

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Vincent Antrilli Jr	2/27/12	6:20	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FedEx	2/28/12	0850	4. Laboratory Received by	2/28/12	0850

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp 2.6 °C
Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: NCDENR Cooler Inspected by/date: GR 12/28/11 Lot #: NB28016

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt 2.6 °C / °C / °C / °C Method: ☐ Temperature Blank ☑ Against Bottles Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☐	No ☑		7. Was collection date & time listed? taken fr. container labels
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☑	No ☑		14. Were any samples containers missing? Trip Blank other bottles as per COC
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐

SESI employee: _____

Comments: 001 Trip Blank (only 2 vials rec'd)

This portion can be removed for Recipient's records.

Date 2-27-12 FedEx Tracking Number 863125980586

Sender's Name Vincent Antrilli Phone 919 807-8353

Company NCDENR - DWM

Address 217 W. Jones St.

City Raleigh State NC ZIP 27603

Report of Analysis

NCDENR - DWM - DSCA
401 Oberlin Rd
Suite 210
Raleigh, NC 27605
Attention: Vincent Antrilli

Project Name: VFW Rd

Lot Number: NB29018

Date Completed: 03/28/2012

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* N B 2 9 0 1 8 *

Case Narrative
NCDENR - DWM - DSCA
Lot Number: NB29018

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

Surrogate recovery that is higher than the recovery limits is acceptable when the sample result is ND.

The surrogate recovery for samples -008, -009 and -011 was outside the acceptance limit. The samples re-analyzed yielding the same failure. The surrogate recovery is attributed to matrix interference. The sample results are reported and no corrective action is required.

The LCS/LCSD recovery for 1,1,2-Trichloro-1,2,2-Trifluoroethane exceeded method control limits in batch 79876; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

Semivolatile Organic Compounds

The LCS recovery for 2,4-Dimethylphenol exceeded method control limits in batch 79139; however, all other QA/QC criteria for the LCS were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

Sample Summary

NCDENR - DWM - DSCA

Lot Number: NB29018

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Trip Blank	Aqueous	02/28/2012	02/29/2012
002	VFW-7	Aqueous	02/28/2012 1000	02/29/2012
003	VFW-8	Aqueous	02/28/2012 1030	02/29/2012
004	VFW-9	Aqueous	02/28/2012 1105	02/29/2012
005	VFW-10	Aqueous	02/28/2012 1135	02/29/2012
006	VFW-11	Aqueous	02/28/2012 1205	02/29/2012
007	VFW-12	Aqueous	02/28/2012 1410	02/29/2012
008	VFW-13	Aqueous	02/28/2012 1435	02/29/2012
009	VFW-14	Aqueous	02/28/2012 1505	02/29/2012
010	VFW-15	Aqueous	02/28/2012 1530	02/29/2012
011	VFW-16	Aqueous	02/28/2012 1555	02/29/2012

(11 samples)

Executive Summary

NCDENR - DWM - DSCA

Lot Number: NB29018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	VFW-7	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	0.89		ug/L	9
006	VFW-11	Aqueous	Dieldrin	8081B	0.094		ug/L	25
006	VFW-11	Aqueous	Copper	6010C	0.064		mg/L	26
006	VFW-11	Aqueous	Magnesium	6010C	6.2		mg/L	26
006	VFW-11	Aqueous	Zinc	6010C	0.15		mg/L	26
008	VFW-13	Aqueous	Chloroform	8260B	3.2		ug/L	31
009	VFW-14	Aqueous	1,1-Dichloroethene	8260B	2.9		ug/L	34

(7 detections)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NB29018-001
Description: Trip Blank	Matrix: Aqueous
Date Sampled: 02/28/2012	
Date Received: 02/29/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/12/2012 0904	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	40-170

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time
ND = Not detected at or above the PQL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)	

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-001
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 02/28/2012
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1736	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-001
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 02/28/2012
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1736	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		127	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-002
Description: VFW-7
Matrix: Aqueous
Date Sampled: 02/28/2012 1000
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 1959	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-002
Description: VFW-7
Matrix: Aqueous
Date Sampled: 02/28/2012 1000
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1758	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	0.89		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-002
Description: VFW-7
Matrix: Aqueous
Date Sampled: 02/28/2012 1000
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1758	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		129	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-003
Description: VFW-8
Matrix: Aqueous
Date Sampled: 02/28/2012 1030
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0739	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	185	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-003
Description: VFW-8
Matrix: Aqueous
Date Sampled: 02/28/2012 1030
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1820	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-003
Description: VFW-8
Matrix: Aqueous
Date Sampled: 02/28/2012 1030
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1820	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		126	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-004
Description: VFW-9
Matrix: Aqueous
Date Sampled: 02/28/2012 1105
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0800	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		132	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-004
Description: VFW-9
Matrix: Aqueous
Date Sampled: 02/28/2012 1105
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1842	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-004
Description: VFW-9
Matrix: Aqueous
Date Sampled: 02/28/2012 1105
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1842	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		127	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-005
Description: VFW-10
Matrix: Aqueous
Date Sampled: 02/28/2012 1135
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0821	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		125	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-005
Description: VFW-10
Matrix: Aqueous
Date Sampled: 02/28/2012 1135
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1904	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-005
Description: VFW-10
Matrix: Aqueous
Date Sampled: 02/28/2012 1135
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1904	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0843	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1926	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1926	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		129	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1311	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.4	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.4	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.4	ug/L	1
Anthracene	120-12-7	8270D	ND		5.4	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.4	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		27	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.4	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.4	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.4	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.4	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.4	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.4	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.4	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		11	ug/L	1
Caprolactam	105-60-2	8270D	ND		27	ug/L	1
Carbazole	86-74-8	8270D	ND		5.4	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.4	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.4	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.4	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.4	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		5.4	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.4	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.4	ug/L	1
Chrysene	218-01-9	8270D	ND		5.4	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.4	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.4	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.4	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.4	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		27	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.4	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.4	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		27	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		27	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		11	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		11	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.4	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.4	ug/L	1
Fluorene	86-73-7	8270D	ND		5.4	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.4	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1311	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.4	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.4	ug/L	1
Isophorone	78-59-1	8270D	ND		5.4	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.4	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.4	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		11	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.4	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.4	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.4	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		11	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		11	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		11	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.4	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		11	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		27	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		27	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.4	ug/L	1
Phenol	108-95-2	8270D	ND		5.4	ug/L	1
Pyrene	129-00-0	8270D	ND		5.4	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.4	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		97	41-144
2-Fluorobiphenyl		98	37-129
2-Fluorophenol		94	24-127
Nitrobenzene-d5		96	38-127
Phenol-d5		94	28-128
Terphenyl-d14		100	10-148

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	03/24/2012 2316	NCM	02/29/2012 2345	79041

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081B	0.094		0.026	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	20-131
Tetrachloro-m-xylene		97	26-132

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-006
Description: VFW-11
Matrix: Aqueous
Date Sampled: 02/28/2012 1205
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	03/02/2012 2348	COH	03/02/2012 1807	79237
1	3005A	6010C	1	03/03/2012 0005	KJC	03/01/2012 1903	79143

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	7440-50-8	6010C	0.064		0.0050	mg/L	1
Iron	7439-89-6	6010C	ND		0.10	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	7439-95-4	6010C	6.2		5.0	mg/L	1
Manganese	7439-96-5	6010C	ND		0.015	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	7440-66-6	6010C	0.15		0.020	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-007
Description: VFW-12
Matrix: Aqueous
Date Sampled: 02/28/2012 1410
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2240	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		137	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-007
Description: VFW-12
Matrix: Aqueous
Date Sampled: 02/28/2012 1410
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1948	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-007
Description: VFW-12
Matrix: Aqueous
Date Sampled: 02/28/2012 1410
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1948	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		127	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-008
Description: VFW-13
Matrix: Aqueous
Date Sampled: 02/28/2012 1435
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2301	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-008
Description: VFW-13
Matrix: Aqueous
Date Sampled: 02/28/2012 1435
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2010	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	3.2		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-008
Description: VFW-13
Matrix: Aqueous
Date Sampled: 02/28/2012 1435
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2010	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	131	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-009
Description: VFW-14
Matrix: Aqueous
Date Sampled: 02/28/2012 1505
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2322	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-009
Description: VFW-14
Matrix: Aqueous
Date Sampled: 02/28/2012 1505
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2032	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	2.9		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-009
Description: VFW-14
Matrix: Aqueous
Date Sampled: 02/28/2012 1505
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2032	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	131	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-010
Description: VFW-15
Matrix: Aqueous
Date Sampled: 02/28/2012 1530
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2343	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-010
Description: VFW-15
Matrix: Aqueous
Date Sampled: 02/28/2012 1530
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2054	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-010
Description: VFW-15
Matrix: Aqueous
Date Sampled: 02/28/2012 1530
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2054	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		128	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-011
Description: VFW-16
Matrix: Aqueous
Date Sampled: 02/28/2012 1555
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/12/2012 0003	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-011
Description: VFW-16
Matrix: Aqueous
Date Sampled: 02/28/2012 1555
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2116	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NB29018-011
Description: VFW-16
Matrix: Aqueous
Date Sampled: 02/28/2012 1555
Date Received: 02/29/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2116	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	132	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

QC Summary

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ79735-001
Batch: 79735
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	03/08/2012 1532

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		115	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ79735-002
Batch: 79735
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	42		1	83	43-173	03/08/2012 1408

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ79735-003
Batch: 79735
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	41		1	82	1.6	43-173	20	03/08/2012 1429

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		91	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79876-001
Batch: 79876
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	03/10/2012 1328
Benzene	ND		1	0.50	ug/L	03/10/2012 1328
Bromodichloromethane	ND		1	0.50	ug/L	03/10/2012 1328
Bromoform	ND		1	0.50	ug/L	03/10/2012 1328
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	03/10/2012 1328
2-Butanone (MEK)	ND		1	10	ug/L	03/10/2012 1328
Carbon disulfide	ND		1	0.50	ug/L	03/10/2012 1328
Carbon tetrachloride	ND		1	0.50	ug/L	03/10/2012 1328
Chlorobenzene	ND		1	0.50	ug/L	03/10/2012 1328
Chloroethane	ND		1	0.50	ug/L	03/10/2012 1328
Chloroform	ND		1	0.50	ug/L	03/10/2012 1328
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	03/10/2012 1328
Cyclohexane	ND		1	0.50	ug/L	03/10/2012 1328
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	03/10/2012 1328
Dibromochloromethane	ND		1	0.50	ug/L	03/10/2012 1328
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	03/10/2012 1328
1,3-Dichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1328
1,4-Dichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1328
1,2-Dichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1328
Dichlorodifluoromethane	ND		1	0.50	ug/L	03/10/2012 1328
1,1-Dichloroethane	ND		1	0.50	ug/L	03/10/2012 1328
1,2-Dichloroethane	ND		1	0.50	ug/L	03/10/2012 1328
1,1-Dichloroethene	ND		1	0.50	ug/L	03/10/2012 1328
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	03/10/2012 1328
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	03/10/2012 1328
1,2-Dichloropropane	ND		1	0.50	ug/L	03/10/2012 1328
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	03/10/2012 1328
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	03/10/2012 1328
Ethylbenzene	ND		1	0.50	ug/L	03/10/2012 1328
2-Hexanone	ND		1	10	ug/L	03/10/2012 1328
Isopropylbenzene	ND		1	0.50	ug/L	03/10/2012 1328
Methyl acetate	ND		1	1.0	ug/L	03/10/2012 1328
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	03/10/2012 1328
4-Methyl-2-pentanone	ND		1	10	ug/L	03/10/2012 1328
Methylcyclohexane	ND		1	5.0	ug/L	03/10/2012 1328
Methylene chloride	ND		1	0.50	ug/L	03/10/2012 1328
Styrene	ND		1	0.50	ug/L	03/10/2012 1328
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	03/10/2012 1328
Tetrachloroethene	ND		1	0.50	ug/L	03/10/2012 1328
Toluene	ND		1	0.50	ug/L	03/10/2012 1328
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	03/10/2012 1328
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	03/10/2012 1328
1,1,2-Trichloroethane	ND		1	0.50	ug/L	03/10/2012 1328
1,1,1-Trichloroethane	ND		1	0.50	ug/L	03/10/2012 1328

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ79876-001
Batch: 79876
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	03/10/2012 1328
Trichlorofluoromethane	ND		1	0.50	ug/L	03/10/2012 1328
Vinyl chloride	ND		1	0.50	ug/L	03/10/2012 1328
Xylenes (total)	ND		1	0.50	ug/L	03/10/2012 1328

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		115	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79876-002
Batch: 79876
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	77		1	77	46-153	03/10/2012 1200
Benzene	50	49		1	98	70-130	03/10/2012 1200
Bromodichloromethane	50	49		1	99	70-130	03/10/2012 1200
Bromoform	50	47		1	95	70-130	03/10/2012 1200
Bromomethane (Methyl bromide)	50	52		1	105	60-140	03/10/2012 1200
2-Butanone (MEK)	100	89		1	89	60-140	03/10/2012 1200
Carbon disulfide	50	54		1	109	60-140	03/10/2012 1200
Carbon tetrachloride	50	54		1	107	70-130	03/10/2012 1200
Chlorobenzene	50	49		1	99	70-130	03/10/2012 1200
Chloroethane	50	55		1	110	42-163	03/10/2012 1200
Chloroform	50	51		1	102	70-130	03/10/2012 1200
Chloromethane (Methyl chloride)	50	50		1	99	20-158	03/10/2012 1200
Cyclohexane	50	51		1	102	70-130	03/10/2012 1200
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	03/10/2012 1200
Dibromochloromethane	50	50		1	99	70-130	03/10/2012 1200
1,2-Dibromoethane (EDB)	50	49		1	97	70-130	03/10/2012 1200
1,3-Dichlorobenzene	50	49		1	98	70-130	03/10/2012 1200
1,4-Dichlorobenzene	50	48		1	97	70-130	03/10/2012 1200
1,2-Dichlorobenzene	50	50		1	101	70-130	03/10/2012 1200
Dichlorodifluoromethane	50	49		1	98	60-140	03/10/2012 1200
1,1-Dichloroethane	50	51		1	102	70-130	03/10/2012 1200
1,2-Dichloroethane	50	49		1	98	70-130	03/10/2012 1200
1,1-Dichloroethene	50	57		1	114	70-130	03/10/2012 1200
cis-1,2-Dichloroethene	50	51		1	102	70-130	03/10/2012 1200
trans-1,2-Dichloroethene	50	53		1	105	70-130	03/10/2012 1200
1,2-Dichloropropane	50	49		1	98	70-130	03/10/2012 1200
cis-1,3-Dichloropropene	50	50		1	100	70-130	03/10/2012 1200
trans-1,3-Dichloropropene	50	49		1	97	70-130	03/10/2012 1200
Ethylbenzene	50	51		1	101	70-130	03/10/2012 1200
2-Hexanone	100	77		1	77	60-140	03/10/2012 1200
Isopropylbenzene	50	56		1	111	70-130	03/10/2012 1200
Methyl acetate	50	54		1	107	15-128	03/10/2012 1200
Methyl tertiary butyl ether (MTBE)	50	51		1	101	70-130	03/10/2012 1200
4-Methyl-2-pentanone	100	87		1	87	60-140	03/10/2012 1200
Methylcyclohexane	50	52		1	104	70-130	03/10/2012 1200
Methylene chloride	50	48		1	96	70-130	03/10/2012 1200
Styrene	50	52		1	103	70-130	03/10/2012 1200
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	03/10/2012 1200
Tetrachloroethene	50	52		1	104	70-130	03/10/2012 1200
Toluene	50	50		1	100	70-130	03/10/2012 1200
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	66	N	1	131	70-130	03/10/2012 1200
1,2,4-Trichlorobenzene	50	52		1	103	70-130	03/10/2012 1200
1,1,2-Trichloroethane	50	50		1	100	70-130	03/10/2012 1200
1,1,1-Trichloroethane	50	54		1	108	70-130	03/10/2012 1200

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79876-002
Batch: 79876
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	101	70-130	03/10/2012 1200
Trichlorofluoromethane	50	54		1	107	60-140	03/10/2012 1200
Vinyl chloride	50	55		1	109	60-140	03/10/2012 1200
Xylenes (total)	100	100		1	103	70-130	03/10/2012 1200

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		88	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79876-003
Batch: 79876
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	71		1	71	7.7	46-153	20	03/10/2012 1222
Benzene	50	48		1	97	1.9	70-130	20	03/10/2012 1222
Bromodichloromethane	50	49		1	97	1.2	70-130	20	03/10/2012 1222
Bromoform	50	47		1	94	0.29	70-130	20	03/10/2012 1222
Bromomethane (Methyl bromide)	50	49		1	98	7.0	60-140	20	03/10/2012 1222
2-Butanone (MEK)	100	90		1	90	1.3	60-140	20	03/10/2012 1222
Carbon disulfide	50	51		1	101	7.3	60-140	20	03/10/2012 1222
Carbon tetrachloride	50	51		1	102	5.5	70-130	20	03/10/2012 1222
Chlorobenzene	50	50		1	99	0.77	70-130	20	03/10/2012 1222
Chloroethane	50	52		1	104	5.7	42-163	20	03/10/2012 1222
Chloroform	50	50		1	99	3.0	70-130	20	03/10/2012 1222
Chloromethane (Methyl chloride)	50	46		1	92	7.4	20-158	20	03/10/2012 1222
Cyclohexane	50	48		1	96	6.5	70-130	20	03/10/2012 1222
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	3.7	70-130	20	03/10/2012 1222
Dibromochloromethane	50	50		1	100	0.98	70-130	20	03/10/2012 1222
1,2-Dibromoethane (EDB)	50	50		1	99	2.2	70-130	20	03/10/2012 1222
1,3-Dichlorobenzene	50	49		1	99	0.23	70-130	20	03/10/2012 1222
1,4-Dichlorobenzene	50	48		1	97	0.18	70-130	20	03/10/2012 1222
1,2-Dichlorobenzene	50	49		1	97	3.6	70-130	20	03/10/2012 1222
Dichlorodifluoromethane	50	44		1	88	11	60-140	20	03/10/2012 1222
1,1-Dichloroethane	50	49		1	98	4.5	70-130	20	03/10/2012 1222
1,2-Dichloroethane	50	48		1	96	2.7	70-130	20	03/10/2012 1222
1,1-Dichloroethene	50	53		1	106	7.5	70-130	20	03/10/2012 1222
cis-1,2-Dichloroethene	50	49		1	98	4.1	70-130	20	03/10/2012 1222
trans-1,2-Dichloroethene	50	50		1	100	4.7	70-130	20	03/10/2012 1222
1,2-Dichloropropane	50	50		1	99	1.0	70-130	20	03/10/2012 1222
cis-1,3-Dichloropropene	50	50		1	101	0.97	70-130	20	03/10/2012 1222
trans-1,3-Dichloropropene	50	49		1	99	1.6	70-130	20	03/10/2012 1222
Ethylbenzene	50	50		1	100	1.1	70-130	20	03/10/2012 1222
2-Hexanone	100	81		1	81	5.0	60-140	20	03/10/2012 1222
Isopropylbenzene	50	53		1	107	4.5	70-130	20	03/10/2012 1222
Methyl acetate	50	52		1	105	2.0	15-128	20	03/10/2012 1222
Methyl tertiary butyl ether (MTBE)	50	49		1	99	2.4	70-130	20	03/10/2012 1222
4-Methyl-2-pentanone	100	88		1	88	0.85	60-140	20	03/10/2012 1222
Methylcyclohexane	50	49		1	98	6.2	70-130	20	03/10/2012 1222
Methylene chloride	50	46		1	91	4.4	70-130	20	03/10/2012 1222
Styrene	50	51		1	102	1.0	70-130	20	03/10/2012 1222
1,1,2,2-Tetrachloroethane	50	50		1	100	0.69	70-130	20	03/10/2012 1222
Tetrachloroethene	50	50		1	100	3.9	70-130	20	03/10/2012 1222
Toluene	50	49		1	98	1.8	70-130	20	03/10/2012 1222
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	60		1	120	8.9	70-130	20	03/10/2012 1222
1,2,4-Trichlorobenzene	50	50		1	100	3.0	70-130	20	03/10/2012 1222
1,1,2-Trichloroethane	50	51		1	102	1.3	70-130	20	03/10/2012 1222
1,1,1-Trichloroethane	50	51		1	101	6.0	70-130	20	03/10/2012 1222

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ79876-003
Batch: 79876
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	99	1.5	70-130	20	03/10/2012 1222
Trichlorofluoromethane	50	49		1	98	8.6	60-140	20	03/10/2012 1222
Vinyl chloride	50	49		1	99	10	60-140	20	03/10/2012 1222
Xylenes (total)	100	100		1	100	2.9	70-130	20	03/10/2012 1222

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ79897-001
Batch: 79897
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	03/11/2012 2035

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		122	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ79897-002
Batch: 79897
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	45		1	90	43-173	03/11/2012 1850

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		101	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ79897-003
Batch: 79897
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	46		1	92	1.5	43-173	20	03/11/2012 1911

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		148	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ79939-001
Batch: 79939
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	03/12/2012 0654

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		160	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ79939-002
Batch: 79939
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	44		1	88	43-173	03/12/2012 0552

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ79939-003
Batch: 79939
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	42		1	85	3.8	43-173	20	03/12/2012 0612

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: NQ79139-001
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1'-Biphenyl	ND		1	5.0	ug/L	03/13/2012 1041
2,4,5-Trichlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4,6-Trichlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4-Dichlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4-Dimethylphenol	ND		1	5.0	ug/L	03/13/2012 1041
2,4-Dinitrophenol	ND		1	25	ug/L	03/13/2012 1041
2,4-Dinitrotoluene	ND		1	10	ug/L	03/13/2012 1041
2,6-Dinitrotoluene	ND		1	10	ug/L	03/13/2012 1041
2-Chloronaphthalene	ND		1	5.0	ug/L	03/13/2012 1041
2-Chlorophenol	ND		1	5.0	ug/L	03/13/2012 1041
2-Methylnaphthalene	ND		1	5.0	ug/L	03/13/2012 1041
2-Methylphenol	ND		1	5.0	ug/L	03/13/2012 1041
2-Nitroaniline	ND		1	10	ug/L	03/13/2012 1041
2-Nitrophenol	ND		1	10	ug/L	03/13/2012 1041
3 & 4-Methylphenol	ND		1	10	ug/L	03/13/2012 1041
3,3'-Dichlorobenzidine	ND		1	25	ug/L	03/13/2012 1041
3-Nitroaniline	ND		1	10	ug/L	03/13/2012 1041
4,6-Dinitro-2-methylphenol	ND		1	25	ug/L	03/13/2012 1041
4-Bromophenyl phenyl ether	ND		1	5.0	ug/L	03/13/2012 1041
4-Chloro-3-methyl phenol	ND		1	5.0	ug/L	03/13/2012 1041
4-Chloroaniline	ND		1	5.0	ug/L	03/13/2012 1041
4-Chlorophenyl phenyl ether	ND		1	5.0	ug/L	03/13/2012 1041
4-Nitroaniline	ND		1	10	ug/L	03/13/2012 1041
4-Nitrophenol	ND		1	25	ug/L	03/13/2012 1041
Acenaphthene	ND		1	5.0	ug/L	03/13/2012 1041
Acenaphthylene	ND		1	5.0	ug/L	03/13/2012 1041
Acetophenone	ND		1	5.0	ug/L	03/13/2012 1041
Anthracene	ND		1	5.0	ug/L	03/13/2012 1041
Atrazine	ND		1	5.0	ug/L	03/13/2012 1041
Benzaldehyde	ND		1	25	ug/L	03/13/2012 1041
Benzo(a)anthracene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(a)pyrene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(b)fluoranthene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(g,h,i)perylene	ND		1	5.0	ug/L	03/13/2012 1041
Benzo(k)fluoranthene	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Chloroethoxy)methane	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Chloroethyl)ether	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Chloroisopropyl)ether	ND		1	5.0	ug/L	03/13/2012 1041
bis(2-Ethylhexyl)phthalate	ND		1	5.0	ug/L	03/13/2012 1041
Butyl benzyl phthalate	ND		1	10	ug/L	03/13/2012 1041
Caprolactam	ND		1	25	ug/L	03/13/2012 1041
Carbazole	ND		1	5.0	ug/L	03/13/2012 1041
Chrysene	ND		1	5.0	ug/L	03/13/2012 1041
Di-n-butyl phthalate	ND		1	5.0	ug/L	03/13/2012 1041

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: NQ79139-001
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	ug/L	03/13/2012 1041
Dibenzo(a,h)anthracene	ND		1	5.0	ug/L	03/13/2012 1041
Dibenzofuran	ND		1	5.0	ug/L	03/13/2012 1041
Diethylphthalate	ND		1	5.0	ug/L	03/13/2012 1041
Dimethyl phthalate	ND		1	5.0	ug/L	03/13/2012 1041
Fluoranthene	ND		1	5.0	ug/L	03/13/2012 1041
Fluorene	ND		1	5.0	ug/L	03/13/2012 1041
Hexachlorobenzene	ND		1	5.0	ug/L	03/13/2012 1041
Hexachlorobutadiene	ND		1	5.0	ug/L	03/13/2012 1041
Hexachlorocyclopentadiene	ND		1	25	ug/L	03/13/2012 1041
Hexachloroethane	ND		1	5.0	ug/L	03/13/2012 1041
Indeno(1,2,3-c,d)pyrene	ND		1	5.0	ug/L	03/13/2012 1041
Isophorone	ND		1	5.0	ug/L	03/13/2012 1041
N-Nitrosodi-n-propylamine	ND		1	5.0	ug/L	03/13/2012 1041
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	5.0	ug/L	03/13/2012 1041
Naphthalene	ND		1	5.0	ug/L	03/13/2012 1041
Nitrobenzene	ND		1	5.0	ug/L	03/13/2012 1041
Pentachlorophenol	ND		1	25	ug/L	03/13/2012 1041
Phenanthrene	ND		1	5.0	ug/L	03/13/2012 1041
Phenol	ND		1	5.0	ug/L	03/13/2012 1041
Pyrene	ND		1	5.0	ug/L	03/13/2012 1041

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		84	41-144
2-Fluorobiphenyl		83	37-129
2-Fluorophenol		83	24-127
Nitrobenzene-d5		82	38-127
Phenol-d5		84	28-128
Terphenyl-d14		86	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79139-002
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2,4,5-Trichlorophenol	100	94		1	94	30-130	03/13/2012 1106
2,4,6-Trichlorophenol	100	95		1	95	30-130	03/13/2012 1106
2,4-Dichlorophenol	100	99		1	99	30-130	03/13/2012 1106
2,4-Dimethylphenol	100	150	N	1	152	30-130	03/13/2012 1106
2,4-Dinitrophenol	500	480		1	95	30-130	03/13/2012 1106
2,4-Dinitrotoluene	200	190		1	97	30-130	03/13/2012 1106
2,6-Dinitrotoluene	200	200		1	99	30-130	03/13/2012 1106
2-Chloronaphthalene	100	83		1	83	30-130	03/13/2012 1106
2-Chlorophenol	100	100		1	100	30-130	03/13/2012 1106
2-Methylnaphthalene	100	100		1	103	30-130	03/13/2012 1106
2-Methylphenol	100	100		1	105	30-130	03/13/2012 1106
2-Nitroaniline	200	190		1	95	30-130	03/13/2012 1106
2-Nitrophenol	200	200		1	98	30-130	03/13/2012 1106
3 & 4-Methylphenol	200	210		1	105	30-130	03/13/2012 1106
3-Nitroaniline	200	200		1	101	30-130	03/13/2012 1106
4,6-Dinitro-2-methylphenol	500	510		1	102	30-130	03/13/2012 1106
4-Bromophenyl phenyl ether	100	97		1	97	30-130	03/13/2012 1106
4-Chloro-3-methyl phenol	100	100		1	101	30-130	03/13/2012 1106
4-Chloroaniline	100	23		1	23	10-130	03/13/2012 1106
4-Chlorophenyl phenyl ether	100	97		1	97	30-130	03/13/2012 1106
4-Nitroaniline	200	200		1	101	30-130	03/13/2012 1106
4-Nitrophenol	500	500		1	100	30-130	03/13/2012 1106
Acenaphthene	100	98		1	98	30-130	03/13/2012 1106
Acenaphthylene	100	110		1	111	30-130	03/13/2012 1106
Anthracene	100	100		1	101	30-130	03/13/2012 1106
Benzo(a)anthracene	100	99		1	99	30-130	03/13/2012 1106
Benzo(a)pyrene	100	110		1	110	30-130	03/13/2012 1106
Benzo(b)fluoranthene	100	99		1	99	30-130	03/13/2012 1106
Benzo(g,h,i)perylene	100	94		1	94	30-130	03/13/2012 1106
Benzo(k)fluoranthene	100	99		1	99	30-130	03/13/2012 1106
bis(2-Chloroethoxy)methane	100	97		1	97	30-130	03/13/2012 1106
bis(2-Chloroethyl)ether	100	95		1	95	30-130	03/13/2012 1106
bis(2-Chloroisopropyl)ether	100	63		1	63	30-130	03/13/2012 1106
bis(2-Ethylhexyl)phthalate	100	110		1	109	30-130	03/13/2012 1106
Butyl benzyl phthalate	100	100		1	105	30-130	03/13/2012 1106
Carbazole	100	100		1	104	30-130	03/13/2012 1106
Chrysene	100	96		1	96	30-130	03/13/2012 1106
Di-n-butyl phthalate	100	100		1	104	30-130	03/13/2012 1106
Di-n-octylphthalate	100	100		1	103	30-130	03/13/2012 1106
Dibenzo(a,h)anthracene	100	98		1	98	30-130	03/13/2012 1106
Dibenzofuran	100	97		1	97	30-130	03/13/2012 1106
Diethylphthalate	100	97		1	97	30-130	03/13/2012 1106
Dimethyl phthalate	100	98		1	98	30-130	03/13/2012 1106
Fluoranthene	100	100		1	101	30-130	03/13/2012 1106

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: NQ79139-002
Batch: 79139
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 03/01/2012 2210

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Fluorene	100	97		1	97	30-130	03/13/2012 1106
Hexachlorobenzene	100	99		1	99	30-130	03/13/2012 1106
Hexachlorobutadiene	100	95		1	95	30-130	03/13/2012 1106
Hexachlorocyclopentadiene	500	330		1	66	30-130	03/13/2012 1106
Hexachloroethane	100	94		1	94	30-130	03/13/2012 1106
Indeno(1,2,3-c,d)pyrene	100	97		1	97	30-130	03/13/2012 1106
Isophorone	100	100		1	100	30-130	03/13/2012 1106
N-Nitrosodi-n-propylamine	100	100		1	103	30-130	03/13/2012 1106
N-Nitrosodiphenylamine (Diphenylamine)	22	13		1	61	18-180	03/13/2012 1106
Naphthalene	100	93		1	93	30-130	03/13/2012 1106
Nitrobenzene	100	97		1	97	30-130	03/13/2012 1106
Pentachlorophenol	500	450		1	90	30-130	03/13/2012 1106
Phenanthrene	100	99		1	99	30-130	03/13/2012 1106
Phenol	100	96		1	96	30-130	03/13/2012 1106
Pyrene	100	100		1	105	30-130	03/13/2012 1106

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		108	41-144
2-Fluorobiphenyl		102	37-129
2-Fluorophenol		97	24-127
Nitrobenzene-d5		100	38-127
Phenol-d5		102	28-128
Terphenyl-d14		97	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: NQ79041-001
Batch: 79041
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/29/2012 2345

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	ug/L	03/06/2012 1006
4,4'-DDE	ND		1	0.025	ug/L	03/06/2012 1006
4,4'-DDT	0.040		1	0.025	ug/L	03/06/2012 1006
Aldrin	ND		1	0.025	ug/L	03/06/2012 1006
alpha-BHC	ND		1	0.025	ug/L	03/06/2012 1006
alpha-Chlordane	ND		1	0.025	ug/L	03/06/2012 1006
beta-BHC	ND		1	0.025	ug/L	03/06/2012 1006
delta-BHC	ND		1	0.025	ug/L	03/06/2012 1006
Dieldrin	ND		1	0.025	ug/L	03/06/2012 1006
Endosulfan I	ND		1	0.025	ug/L	03/06/2012 1006
Endosulfan II	ND		1	0.025	ug/L	03/06/2012 1006
Endosulfan sulfate	ND		1	0.025	ug/L	03/06/2012 1006
Endrin	ND		1	0.025	ug/L	03/06/2012 1006
Endrin aldehyde	ND		1	0.025	ug/L	03/06/2012 1006
Endrin ketone	ND		1	0.025	ug/L	03/06/2012 1006
gamma-BHC (Lindane)	ND		1	0.025	ug/L	03/06/2012 1006
gamma-Chlordane	ND		1	0.025	ug/L	03/06/2012 1006
Heptachlor	ND		1	0.025	ug/L	03/06/2012 1006
Heptachlor epoxide	ND		1	0.025	ug/L	03/06/2012 1006
Methoxychlor	ND		1	0.10	ug/L	03/06/2012 1006
Toxaphene	ND		1	0.25	ug/L	03/06/2012 1006

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		50	20-131
Tetrachloro-m-xylene		102	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: NQ79041-002
Batch: 79041
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 02/29/2012 2345

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.60		1	119	70-130	03/06/2012 1026
4,4'-DDE	0.50	0.58		1	117	70-130	03/06/2012 1026
4,4'-DDT	0.50	0.58		1	116	70-130	03/06/2012 1026
Aldrin	0.50	0.54		1	108	70-130	03/06/2012 1026
alpha-BHC	0.50	0.58		1	115	70-130	03/06/2012 1026
beta-BHC	0.50	0.65		1	129	70-130	03/06/2012 1026
delta-BHC	0.50	0.52		1	103	70-130	03/06/2012 1026
Dieldrin	0.50	0.56		1	113	70-130	03/06/2012 1026
Endosulfan I	0.50	0.50		1	100	70-130	03/06/2012 1026
Endosulfan II	0.50	0.54		1	109	70-130	03/06/2012 1026
Endosulfan sulfate	0.50	0.58		1	117	70-130	03/06/2012 1026
Endrin	0.50	0.61		1	123	70-130	03/06/2012 1026
Endrin aldehyde	0.50	0.44		1	88	70-130	03/06/2012 1026
gamma-BHC (Lindane)	0.50	0.62		1	124	70-130	03/06/2012 1026
gamma-Chlordane	0.50	0.59		1	118	70-130	03/06/2012 1026
Heptachlor	0.50	0.60		1	120	70-130	03/06/2012 1026
Heptachlor epoxide	0.50	0.52		1	104	70-130	03/06/2012 1026
Methoxychlor	0.50	0.56		1	112	70-130	03/06/2012 1026

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		51	20-131
Tetrachloro-m-xylene		104	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ79143-001
Batch: 79143
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 03/01/2012 1903

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	0.20	mg/L	03/02/2012 2305
Arsenic	ND		1	0.010	mg/L	03/02/2012 2305
Barium	ND		1	0.025	mg/L	03/02/2012 2305
Cadmium	ND		1	0.0020	mg/L	03/02/2012 2305
Chromium	ND		1	0.0050	mg/L	03/02/2012 2305
Copper	ND		1	0.0050	mg/L	03/02/2012 2305
Iron	ND		1	0.10	mg/L	03/02/2012 2305
Lead	ND		1	0.010	mg/L	03/02/2012 2305
Magnesium	ND		1	5.0	mg/L	03/02/2012 2305
Manganese	ND		1	0.015	mg/L	03/02/2012 2305
Nickel	ND		1	0.040	mg/L	03/02/2012 2305
Silver	ND		1	0.0050	mg/L	03/02/2012 2305
Zinc	ND		1	0.020	mg/L	03/02/2012 2305

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ79143-002
Batch: 79143
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 03/01/2012 1903

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	20	19		1	96	80-120	03/02/2012 2312
Arsenic	0.40	0.40		1	99	80-120	03/02/2012 2312
Barium	2.0	2.0		1	100	80-120	03/02/2012 2312
Cadmium	0.40	0.42		1	104	80-120	03/02/2012 2312
Chromium	2.0	2.0		1	98	80-120	03/02/2012 2312
Copper	2.0	2.0		1	98	80-120	03/02/2012 2312
Iron	20	19		1	97	80-120	03/02/2012 2312
Lead	0.40	0.39		1	98	80-120	03/02/2012 2312
Magnesium	40	40		1	101	80-120	03/02/2012 2312
Manganese	2.0	2.0		1	101	80-120	03/02/2012 2312
Nickel	2.0	2.0		1	99	80-120	03/02/2012 2312
Silver	0.40	0.39		1	98	80-120	03/02/2012 2312
Zinc	2.0	2.0		1	100	80-120	03/02/2012 2312

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ79143-003
Batch: 79143
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 03/01/2012 1903

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	20	19		1	96	0.52	80-120	20	03/02/2012 2318
Arsenic	0.40	0.40		1	99	0.35	80-120	20	03/02/2012 2318
Barium	2.0	2.0		1	99	0.34	80-120	20	03/02/2012 2318
Cadmium	0.40	0.42		1	104	0.055	80-120	20	03/02/2012 2318
Chromium	2.0	2.0		1	98	0.17	80-120	20	03/02/2012 2318
Copper	2.0	2.0		1	98	0.28	80-120	20	03/02/2012 2318
Iron	20	19		1	97	0.55	80-120	20	03/02/2012 2318
Lead	0.40	0.39		1	98	0.39	80-120	20	03/02/2012 2318
Magnesium	40	40		1	101	0.24	80-120	20	03/02/2012 2318
Manganese	2.0	2.0		1	100	0.87	80-120	20	03/02/2012 2318
Nickel	2.0	2.0		1	99	0.16	80-120	20	03/02/2012 2318
Silver	0.40	0.39		1	98	0.71	80-120	20	03/02/2012 2318
Zinc	2.0	2.0		1	100	0.13	80-120	20	03/02/2012 2318

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ79237-001
Batch: 79237
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 03/02/2012 1807

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	03/02/2012 2256

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ79237-002
Batch: 79237
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 03/02/2012 1807

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0022		1	108	85-115	03/02/2012 2259

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ79237-003
Batch: 79237
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 03/02/2012 1807

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0022		1	111	2.3	85-115	20	03/02/2012 2301

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record
1 of 2

Number 11405

Client: NCDENR-DWM	Report to Contact: Vincent Antrilli	Sampler (Printed Name): Vincent Antrilli	Quote No.
Address: 217 W. Jones St.	Telephone No. / Fax No. / Email: 919-707-8353	Waybill No.	Page of
City: Raleigh; State: NC; Zip Code: 27603	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: VFW Rd			
Project Number	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix GW	DW	WW	S	Other	Analysis: VOC's	1,4 Dioxane 3rpb	SVOC's	Metals	Pesticides	Remarks / Cooler ID
Number of Containers									26	26	4	3	4	
Bottle (See Instructions on back)									A	A	I	C	I	
Preservative									5	5	1	4	1	
Lot No.														NB29018
Trip Blank	2-28-12								2	2	2	2	2	
VFW-7		10:00		✓					3	3	–	–	–	
VFW-8		10:30		✓					3	3	–	–	–	
VFW-9		11:05		✓					3	3	–	–	–	
VFW-10		11:35		✓					3	3	–	–	–	
VFW-11		12:05		✓					3	3	2	1	2	
VFW-12		2:10		✓					3	3	–	–	–	
VFW-13		2:35		✓					3	3	–	–	–	
VFW-14		3:05		✓					3	3	–	–	–	
(continued on sht 2)														

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

1. Relinquished by / Sampler: Vincent Antrilli	Date: 2-28-12	Time: 6:50	1. Received by	Date	Time
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: FedEx	Date: 02/29/12	Time: 0915	4. Laboratory Received by:	Date: 2-29-12	Time: 0915

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 3.7 °C
Temp. Blank ☑Y / ☐ N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record 2 of 2

Number 11406

Client: NCDENR-DWM	Report to Contact: Vincent Antrilli	Sampler (Printed Name): Vincent Antrilli	Quote No.
Address: 217 W. Jones St	Telephone No. / Fax No. / Email: 919-707-8353	Waybill No.	Page ___ of ___
City: Raleigh; State: NC; Zip Code: 27603	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: VFW Rd			Lot No. NB 29018

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	GW	DW	WW	S	Other	Analysis: VOC's	1,4 Dioxane 3pk	Remarks / Cooler ID
Number of Containers									6	6	
Bottle (See Instructions on back)									A	A	
Preservative									5	5	
VFW-15	2-28-12	3:30		✓					3	3	
VFW-16	2-28-12	3:55		✓					3	3	

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Vincent Antrilli Jr	2-28-12	6:50	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FedEx	2/29/12	0915	4. Laboratory Received by	2-29-12	0915

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY: Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack; Receipt Temp. 3.7 °C; Temp. Blank ☑ Y / ☐ N

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: NC DENR - DWM Cooler Inspected by/date: NW 2/28/12 Lot #: NB 29W18

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 3.7 °C ___ / ___ °C ___ / ___ °C ___ / ___ °C
Method: ☑ Temperature Blank ☐ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☐	No ☑		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☑	NA ☐	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number)

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

This portion can be removed for recipient's records.
Date 2-28-12 FedEx Tracking Number 863125982821

Corrective Action taken, if necessary:
Was client notified: Yes ☐ No ☐
SESI employee: _____
Comments: -006 (VFW-11) was recieved with one broken 1L Amber NP and one broken 40mL Vial. Fax FedEx.

Recipient's Name Vincent Antrilli Jr. Phone 919 707-8353
Date of response:
Company NCDENR-DWM
Address 217 W. Jones St.
City Raleigh State NC ZIP 27603

Report of Analysis

NCDENR - DWM - DSCA
401 Oberlin Rd
Suite 210
Raleigh, NC 27605
Attention: Vincent Antrilli

Project Name: VFW Rd

Lot Number: ND17010

Date Completed: 05/02/2012

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* N D 1 7 0 1 0 *

Case Narrative

NCDENR - DWM - DSCA

Lot Number: ND17010

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Pesticides

The sample results associated with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns which exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to disparity of the two results, it is likely that the reported results are biased high, or maybe a false positive.

Sample Summary

NCDENR - DWM - DSCA

Lot Number: ND17010

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Trip Blank	Aqueous	04/16/2012	04/17/2012
002	VFW-11	Solid	04/16/2012 1015	04/17/2012
003	VFW-11	Aqueous	04/16/2012 1015	04/17/2012
004	VFW-10	Aqueous	04/16/2012 1115	04/17/2012
005	VFW-17	Aqueous	04/16/2012 1145	04/17/2012
006	VFW-4	Aqueous	04/16/2012 1345	04/17/2012
007	VFW-5	Aqueous	04/16/2012 1415	04/17/2012
008	VFW-9	Aqueous	04/16/2012 1500	04/17/2012
009	VFW-14	Aqueous	04/16/2012 1545	04/17/2012

(9 samples)

Executive Summary
NCDENR - DWM - DSCA
Lot Number: ND17010

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	VFW-11	Solid	gamma-Chlordane	8081B	0.73	JP	ug/kg	7
002	VFW-11	Solid	4,4'-DDT	8081B	2.1	J	ug/kg	7
002	VFW-11	Solid	Dieldrin	8081B	1.3	J	ug/kg	7
002	VFW-11	Solid	Endosulfan II	8081B	6.1	J	ug/kg	7
002	VFW-11	Solid	Endrin aldehyde	8081B	0.98	JP	ug/kg	7
002	VFW-11	Solid	Methoxychlor	8081B	1.8	JP	ug/kg	7
003	VFW-11	Aqueous	Dieldrin	8081B	0.26		ug/L	8
003	VFW-11	Aqueous	Endosulfan II	8081B	0.0037	J	ug/L	8
003	VFW-11	Aqueous	Endrin	8081B	0.0040	J	ug/L	8
003	VFW-11	Aqueous	Endrin ketone	8081B	0.0022	J	ug/L	8
003	VFW-11	Aqueous	Methoxychlor	8081B	0.0053	JP	ug/L	8
004	VFW-10	Aqueous	alpha-Chlordane	8081B	0.0021	BJP	ug/L	9
004	VFW-10	Aqueous	Dieldrin	8081B	0.63		ug/L	9
004	VFW-10	Aqueous	Endosulfan II	8081B	0.0037	J	ug/L	9
004	VFW-10	Aqueous	Endrin	8081B	0.0087	J	ug/L	9
004	VFW-10	Aqueous	Endrin ketone	8081B	0.0043	J	ug/L	9
005	VFW-17	Aqueous	Arsenic	6010C	0.0047	J	mg/L	12
005	VFW-17	Aqueous	Barium	6010C	0.028		mg/L	12
005	VFW-17	Aqueous	Chromium	6010C	0.0022	BJ	mg/L	12
005	VFW-17	Aqueous	Copper	6010C	0.18		mg/L	12
005	VFW-17	Aqueous	Lead	6010C	0.0078	J	mg/L	12
005	VFW-17	Aqueous	Magnesium	6010C	4.0	J	mg/L	12
005	VFW-17	Aqueous	Nickel	6010C	0.019	J	mg/L	12
005	VFW-17	Aqueous	Silver	6010C	0.0018	BJ	mg/L	12
005	VFW-17	Aqueous	Zinc	6010C	0.16		mg/L	12
006	VFW-4	Aqueous	1,1-Dichloroethene	8260B	1.7	J	ug/L	13
007	VFW-5	Aqueous	1,1-Dichloroethene	8260B	0.72	J	ug/L	15
009	VFW-14	Aqueous	1,1-Dichloroethene	8260B	4.5	J	ug/L	18
009	VFW-14	Aqueous	1,1,1-Trichloroethane	8260B	0.36	J	ug/L	18

(29 detections)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-001
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 04/16/2012
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2147	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-001
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 04/16/2012
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2147	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-002
Description: VFW-11
Matrix: Solid
Date Sampled: 04/16/2012 1015
% Solids: 89.6 04/19/2012 0024
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8081B	5	05/01/2012 1656	NCM	04/18/2012 1012	82766

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		9.4	0.23	ug/kg	1
alpha-BHC	319-84-6	8081B	ND		9.4	0.25	ug/kg	1
beta-BHC	319-85-7	8081B	ND		9.4	0.20	ug/kg	1
delta-BHC	319-86-8	8081B	ND		9.4	0.12	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		9.4	0.42	ug/kg	1
alpha-Chlordane	5103-71-9	8081B	ND		9.4	0.16	ug/kg	1
gamma-Chlordane	5103-74-2	8081B	0.73	JP	9.4	0.14	ug/kg	1
4,4'-DDD	72-54-8	8081B	ND		9.4	0.20	ug/kg	1
4,4'-DDE	72-55-9	8081B	ND		9.4	1.8	ug/kg	1
4,4'-DDT	50-29-3	8081B	2.1	J	9.4	0.39	ug/kg	1
Dieldrin	60-57-1	8081B	1.3	J	9.4	0.16	ug/kg	1
Endosulfan I	959-98-8	8081B	ND		9.4	0.23	ug/kg	1
Endosulfan II	33213-65-9	8081B	6.1	J	9.4	0.18	ug/kg	1
Endosulfan sulfate	1031-07-8	8081B	ND		9.4	0.21	ug/kg	1
Endrin	72-20-8	8081B	ND		9.4	0.12	ug/kg	1
Endrin aldehyde	7421-93-4	8081B	0.98	JP	9.4	0.20	ug/kg	1
Endrin ketone	53494-70-5	8081B	ND		9.4	0.20	ug/kg	1
Heptachlor	76-44-8	8081B	ND		9.4	0.32	ug/kg	1
Heptachlor epoxide	1024-57-3	8081B	ND		9.4	0.20	ug/kg	1
Methoxychlor	72-43-5	8081B	1.8	JP	37	0.37	ug/kg	1
Toxaphene	8001-35-2	8081B	ND		460	9.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		103	51-134
Tetrachloro-m-xylene		86	51-104

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-003
Description: VFW-11
Matrix: Aqueous
Date Sampled: 04/16/2012 1015
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	04/27/2012 1754	NCM	04/18/2012 1423	82792

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	0.0018	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	0.0041	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	0.0011	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	0.0014	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	0.0016	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	0.0021	ug/L	1
Dieldrin	60-57-1	8081B	0.26		0.026	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	0.0023	ug/L	1
Endosulfan II	33213-65-9	8081B	0.0037	J	0.026	0.0016	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	0.0011	ug/L	1
Endrin	72-20-8	8081B	0.0040	J	0.026	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	0.0020	ug/L	1
Endrin ketone	53494-70-5	8081B	0.0022	J	0.026	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	0.014	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	0.0021	ug/L	1
Methoxychlor	72-43-5	8081B	0.0053	JP	0.10	0.0021	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	0.11	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		97	20-131
Tetrachloro-m-xylene		99	26-132

PQL = Practical quantitation limit
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-004
Description: VFW-10
Matrix: Aqueous
Date Sampled: 04/16/2012 1115
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	04/27/2012 1855	NCM	04/18/2012 1423	82792

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	0.0018	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	0.0040	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	0.0011	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	0.0021	BJP	0.026	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	0.0021	ug/L	1
Dieldrin	60-57-1	8081B	0.63		0.026	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	0.0023	ug/L	1
Endosulfan II	33213-65-9	8081B	0.0037	J	0.026	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	0.0011	ug/L	1
Endrin	72-20-8	8081B	0.0087	J	0.026	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	0.0020	ug/L	1
Endrin ketone	53494-70-5	8081B	0.0043	J	0.026	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	0.0021	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0021	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	0.11	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	20-131
Tetrachloro-m-xylene		97	26-132

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-005
Description: VFW-17
Matrix: Aqueous
Date Sampled: 04/16/2012 1145
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2210	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-005
Description: VFW-17
Matrix: Aqueous
Date Sampled: 04/16/2012 1145
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2210	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-005
Description: VFW-17
Matrix: Aqueous
Date Sampled: 04/16/2012 1145
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/17/2012 1642	COH	04/17/2012 1111	82655
1	3005A	6010C	1	04/18/2012 0048	CDF	04/17/2012 1449	82698

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	0.044	mg/L	1
Arsenic	7440-38-2	6010C	0.0047	J	0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.028		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.0022	BJ	0.0050	0.0021	mg/L	1
Copper	7440-50-8	6010C	0.18		0.0050	0.0015	mg/L	1
Iron	7439-89-6	6010C	ND		0.10	0.023	mg/L	1
Lead	7439-92-1	6010C	0.0078	J	0.010	0.0019	mg/L	1
Magnesium	7439-95-4	6010C	4.0	J	5.0	1.2	mg/L	1
Manganese	7439-96-5	6010C	ND		0.015	0.0049	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Nickel	7440-02-0	6010C	0.019	J	0.040	0.010	mg/L	1
Silver	7440-22-4	6010C	0.0018	BJ	0.0050	0.00040	mg/L	1
Zinc	7440-66-6	6010C	0.16		0.020	0.0045	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-006
Description: VFW-4
Matrix: Aqueous
Date Sampled: 04/16/2012 1345
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2012 2113	JJG		83604

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	1.7	J	5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-006
Description: VFW-4
Matrix: Aqueous
Date Sampled: 04/16/2012 1345
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2012 2113	JJG		83604

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-007
Description: VFW-5
Matrix: Aqueous
Date Sampled: 04/16/2012 1415
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2233	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.72	J	5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-007
Description: VFW-5
Matrix: Aqueous
Date Sampled: 04/16/2012 1415
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2233	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-008
Description: VFW-9
Matrix: Aqueous
Date Sampled: 04/16/2012 1500
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	04/27/2012 1915	NCM	04/18/2012 1423	82792

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	0.0018	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	0.0010	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	0.0040	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	0.0011	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	0.0011	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	0.0013	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	0.0015	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	0.0010	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	0.011	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	0.0021	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.026	0.0010	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	0.0023	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	0.0015	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	0.0011	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	0.0010	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	0.0020	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	0.0012	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	0.013	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	0.0021	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	0.0021	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	0.11	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	20-131
Tetrachloro-m-xylene		99	26-132

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-009
Description: VFW-14
Matrix: Aqueous
Date Sampled: 04/16/2012 1545
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2257	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	4.5	J	5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	0.36	J	5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: ND17010-009
Description: VFW-14
Matrix: Aqueous
Date Sampled: 04/16/2012 1545
Date Received: 04/17/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/23/2012 2257	DD		83205

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ83205-001
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/23/2012 1800
Benzene	ND		1	5.0	0.20	ug/L	04/23/2012 1800
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/23/2012 1800
Bromoform	ND		1	5.0	0.40	ug/L	04/23/2012 1800
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/23/2012 1800
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/23/2012 1800
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/23/2012 1800
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/23/2012 1800
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
Chloroethane	ND		1	5.0	0.50	ug/L	04/23/2012 1800
Chloroform	ND		1	5.0	1.7	ug/L	04/23/2012 1800
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/23/2012 1800
Cyclohexane	ND		1	5.0	0.98	ug/L	04/23/2012 1800
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/23/2012 1800
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/23/2012 1800
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/23/2012 1800
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/23/2012 1800
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/23/2012 1800
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/23/2012 1800
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/23/2012 1800
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/23/2012 1800
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/23/2012 1800
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/23/2012 1800
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/23/2012 1800
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/23/2012 1800
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
2-Hexanone	ND		1	10	1.0	ug/L	04/23/2012 1800
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/23/2012 1800
Methyl acetate	ND		1	5.0	0.72	ug/L	04/23/2012 1800
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/23/2012 1800
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/23/2012 1800
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/23/2012 1800
Methylene chloride	ND		1	5.0	1.7	ug/L	04/23/2012 1800
Styrene	ND		1	5.0	0.10	ug/L	04/23/2012 1800
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/23/2012 1800
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/23/2012 1800
Toluene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/23/2012 1800
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/23/2012 1800
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/23/2012 1800
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/23/2012 1800

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ83205-001
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/23/2012 1800
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/23/2012 1800
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/23/2012 1800
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/23/2012 1800

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ83205-002
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	102	70-130	04/23/2012 1649
Benzene	50	46		1	93	70-130	04/23/2012 1649
Bromodichloromethane	50	48		1	96	70-130	04/23/2012 1649
Bromoform	50	49		1	97	70-130	04/23/2012 1649
Bromomethane (Methyl bromide)	50	45		1	89	60-140	04/23/2012 1649
2-Butanone (MEK)	100	92		1	92	60-140	04/23/2012 1649
Carbon disulfide	50	47		1	95	60-140	04/23/2012 1649
Carbon tetrachloride	50	48		1	97	70-130	04/23/2012 1649
Chlorobenzene	50	50		1	99	70-130	04/23/2012 1649
Chloroethane	50	46		1	93	42-163	04/23/2012 1649
Chloroform	50	46		1	91	70-130	04/23/2012 1649
Chloromethane (Methyl chloride)	50	48		1	95	70-130	04/23/2012 1649
Cyclohexane	50	48		1	95	70-130	04/23/2012 1649
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	04/23/2012 1649
Dibromochloromethane	50	52		1	105	70-130	04/23/2012 1649
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	04/23/2012 1649
1,4-Dichlorobenzene	50	50		1	99	70-130	04/23/2012 1649
1,3-Dichlorobenzene	50	50		1	101	70-130	04/23/2012 1649
1,2-Dichlorobenzene	50	50		1	100	70-130	04/23/2012 1649
Dichlorodifluoromethane	50	46		1	91	60-140	04/23/2012 1649
1,2-Dichloroethane	50	42		1	84	70-130	04/23/2012 1649
1,1-Dichloroethane	50	45		1	91	70-130	04/23/2012 1649
trans-1,2-Dichloroethene	50	46		1	91	70-130	04/23/2012 1649
cis-1,2-Dichloroethene	50	45		1	91	70-130	04/23/2012 1649
1,1-Dichloroethene	50	47		1	95	70-130	04/23/2012 1649
1,2-Dichloropropane	50	46		1	92	70-130	04/23/2012 1649
trans-1,3-Dichloropropene	50	49		1	98	70-130	04/23/2012 1649
cis-1,3-Dichloropropene	50	49		1	98	70-130	04/23/2012 1649
Ethylbenzene	50	49		1	98	70-130	04/23/2012 1649
2-Hexanone	100	88		1	88	60-140	04/23/2012 1649
Isopropylbenzene	50	51		1	101	70-130	04/23/2012 1649
Methyl acetate	50	38		1	77	70-130	04/23/2012 1649
Methyl tertiary butyl ether (MTBE)	50	45		1	90	70-130	04/23/2012 1649
4-Methyl-2-pentanone	100	88		1	88	60-140	04/23/2012 1649
Methylcyclohexane	50	48		1	96	70-130	04/23/2012 1649
Methylene chloride	50	45		1	89	70-130	04/23/2012 1649
Styrene	50	46		1	92	70-130	04/23/2012 1649
1,1,2,2-Tetrachloroethane	50	46		1	91	70-130	04/23/2012 1649
Tetrachloroethene	50	51		1	101	70-130	04/23/2012 1649
Toluene	50	47		1	95	70-130	04/23/2012 1649
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	79	N	1	158	70-130	04/23/2012 1649
1,2,4-Trichlorobenzene	50	49		1	99	70-130	04/23/2012 1649
1,1,2-Trichloroethane	50	47		1	94	70-130	04/23/2012 1649
1,1,1-Trichloroethane	50	48		1	97	70-130	04/23/2012 1649

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ83205-002
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	70-130	04/23/2012 1649
Trichlorofluoromethane	50	50		1	99	70-130	04/23/2012 1649
Vinyl chloride	50	40		1	79	70-130	04/23/2012 1649
Xylenes (total)	100	99		1	99	70-130	04/23/2012 1649

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: ND17010-005DU
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	ND	ND		1	0.00	20	04/23/2012 2320
Benzene	ND	ND		1	0.00	20	04/23/2012 2320
Bromodichloromethane	ND	ND		1	0.00	20	04/23/2012 2320
Bromoform	ND	ND		1	0.00	20	04/23/2012 2320
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	04/23/2012 2320
2-Butanone (MEK)	ND	ND		1	0.00	20	04/23/2012 2320
Carbon disulfide	ND	ND		1	0.00	20	04/23/2012 2320
Carbon tetrachloride	ND	ND		1	0.00	20	04/23/2012 2320
Chlorobenzene	ND	ND		1	0.00	20	04/23/2012 2320
Chloroethane	ND	ND		1	0.00	20	04/23/2012 2320
Chloroform	ND	ND		1	0.00	20	04/23/2012 2320
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	04/23/2012 2320
Cyclohexane	ND	ND		1	0.00	20	04/23/2012 2320
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	04/23/2012 2320
Dibromochloromethane	ND	ND		1	0.00	20	04/23/2012 2320
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	04/23/2012 2320
1,4-Dichlorobenzene	ND	ND		1	0.00	20	04/23/2012 2320
1,3-Dichlorobenzene	ND	ND		1	0.00	20	04/23/2012 2320
1,2-Dichlorobenzene	ND	ND		1	0.00	20	04/23/2012 2320
Dichlorodifluoromethane	ND	ND		1	0.00	20	04/23/2012 2320
1,2-Dichloroethane	ND	ND		1	0.00	20	04/23/2012 2320
1,1-Dichloroethane	ND	ND		1	0.00	20	04/23/2012 2320
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	04/23/2012 2320
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	04/23/2012 2320
1,1-Dichloroethene	ND	ND		1	0.00	20	04/23/2012 2320
1,2-Dichloropropane	ND	ND		1	0.00	20	04/23/2012 2320
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	04/23/2012 2320
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	04/23/2012 2320
Ethylbenzene	ND	ND		1	0.00	20	04/23/2012 2320
2-Hexanone	ND	ND		1	0.00	20	04/23/2012 2320
Isopropylbenzene	ND	ND		1	0.00	20	04/23/2012 2320
Methyl acetate	ND	ND		1	0.00	20	04/23/2012 2320
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	04/23/2012 2320
4-Methyl-2-pentanone	ND	ND		1	0.00	20	04/23/2012 2320
Methylcyclohexane	ND	ND		1	0.00	20	04/23/2012 2320
Methylene chloride	ND	ND		1	0.00	20	04/23/2012 2320
Styrene	ND	ND		1	0.00	20	04/23/2012 2320
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	04/23/2012 2320
Tetrachloroethene	ND	ND		1	0.00	20	04/23/2012 2320
Toluene	ND	ND		1	0.00	20	04/23/2012 2320
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	04/23/2012 2320
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	04/23/2012 2320
1,1,2-Trichloroethane	ND	ND		1	0.00	20	04/23/2012 2320
1,1,1-Trichloroethane	ND	ND		1	0.00	20	04/23/2012 2320

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: ND17010-005DU
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	ND	ND		1	0.00	20	04/23/2012 2320
Trichlorofluoromethane	ND	ND		1	0.00	20	04/23/2012 2320
Vinyl chloride	ND	ND		1	0.00	20	04/23/2012 2320
Xylenes (total)	ND	ND		1	0.00	20	04/23/2012 2320

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: ND17010-007MS
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	150	N	1	152	60-140	04/23/2012 2343
Benzene	ND	50	54		1	107	70-130	04/23/2012 2343
Bromodichloromethane	ND	50	52		1	103	71-143	04/23/2012 2343
Bromoform	ND	50	39		1	77	65-131	04/23/2012 2343
Bromomethane (Methyl bromide)	ND	50	59		1	119	36-168	04/23/2012 2343
2-Butanone (MEK)	ND	100	130		1	128	60-140	04/23/2012 2343
Carbon disulfide	ND	50	59		1	119	60-140	04/23/2012 2343
Carbon tetrachloride	ND	50	55		1	110	37-166	04/23/2012 2343
Chlorobenzene	ND	50	54		1	109	78-129	04/23/2012 2343
Chloroethane	ND	50	58		1	116	60-140	04/23/2012 2343
Chloroform	ND	50	55		1	110	63-123	04/23/2012 2343
Chloromethane (Methyl chloride)	ND	50	62		1	124	20-158	04/23/2012 2343
Cyclohexane	ND	50	60		1	121	70-130	04/23/2012 2343
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	48		1	96	70-130	04/23/2012 2343
Dibromochloromethane	ND	50	48		1	95	74-134	04/23/2012 2343
1,2-Dibromoethane (EDB)	ND	50	54		1	107	70-130	04/23/2012 2343
1,4-Dichlorobenzene	ND	50	53		1	106	70-130	04/23/2012 2343
1,3-Dichlorobenzene	ND	50	53		1	106	70-130	04/23/2012 2343
1,2-Dichlorobenzene	ND	50	54		1	107	70-130	04/23/2012 2343
Dichlorodifluoromethane	ND	50	49		1	99	10-158	04/23/2012 2343
1,2-Dichloroethane	ND	50	50		1	101	70-130	04/23/2012 2343
1,1-Dichloroethane	ND	50	53		1	106	69-132	04/23/2012 2343
trans-1,2-Dichloroethene	ND	50	54		1	107	70-130	04/23/2012 2343
cis-1,2-Dichloroethene	ND	50	53		1	107	70-130	04/23/2012 2343
1,1-Dichloroethene	0.72	50	54		1	107	50-132	04/23/2012 2343
1,2-Dichloropropane	ND	50	52		1	105	71-126	04/23/2012 2343
trans-1,3-Dichloropropene	ND	50	50		1	100	73-131	04/23/2012 2343
cis-1,3-Dichloropropene	ND	50	54		1	108	69-130	04/23/2012 2343
Ethylbenzene	ND	50	55		1	110	70-130	04/23/2012 2343
2-Hexanone	ND	100	99		1	99	60-140	04/23/2012 2343
Isopropylbenzene	ND	50	55		1	109	70-130	04/23/2012 2343
Methyl acetate	ND	50	54		1	107	15-128	04/23/2012 2343
Methyl tertiary butyl ether (MTBE)	ND	50	52		1	105	70-130	04/23/2012 2343
4-Methyl-2-pentanone	ND	100	100		1	104	60-140	04/23/2012 2343
Methylcyclohexane	ND	50	57		1	114	70-130	04/23/2012 2343
Methylene chloride	ND	50	52		1	104	69-129	04/23/2012 2343
Styrene	ND	50	52		1	104	70-130	04/23/2012 2343
1,1,2,2-Tetrachloroethane	ND	50	50		1	100	60-155	04/23/2012 2343
Tetrachloroethene	ND	50	54		1	107	70-130	04/23/2012 2343
Toluene	ND	50	55		1	110	70-130	04/23/2012 2343
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	93	N	1	185	70-130	04/23/2012 2343
1,2,4-Trichlorobenzene	ND	50	52		1	105	70-130	04/23/2012 2343
1,1,2-Trichloroethane	ND	50	52		1	104	77-132	04/23/2012 2343
1,1,1-Trichloroethane	ND	50	58		1	116	77-132	04/23/2012 2343

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: ND17010-007MS
Batch: 83205
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	50	53		1	106	73-124	04/23/2012 2343
Trichlorofluoromethane	ND	50	60		1	121	60-140	04/23/2012 2343
Vinyl chloride	ND	50	50		1	101	29-159	04/23/2012 2343
Xylenes (total)	ND	100	110		1	112	70-130	04/23/2012 2343

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ83604-001
Batch: 83604
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/27/2012 2039
Benzene	ND		1	5.0	0.20	ug/L	04/27/2012 2039
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/27/2012 2039
Bromoform	ND		1	5.0	0.40	ug/L	04/27/2012 2039
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/27/2012 2039
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/27/2012 2039
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/27/2012 2039
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/27/2012 2039
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
Chloroethane	ND		1	5.0	0.50	ug/L	04/27/2012 2039
Chloroform	ND		1	5.0	1.7	ug/L	04/27/2012 2039
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/27/2012 2039
Cyclohexane	ND		1	5.0	0.98	ug/L	04/27/2012 2039
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/27/2012 2039
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/27/2012 2039
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/27/2012 2039
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/27/2012 2039
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/27/2012 2039
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/27/2012 2039
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/27/2012 2039
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/27/2012 2039
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/27/2012 2039
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/27/2012 2039
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/27/2012 2039
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/27/2012 2039
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
2-Hexanone	ND		1	10	1.0	ug/L	04/27/2012 2039
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/27/2012 2039
Methyl acetate	ND		1	5.0	0.72	ug/L	04/27/2012 2039
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/27/2012 2039
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/27/2012 2039
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/27/2012 2039
Methylene chloride	ND		1	5.0	1.7	ug/L	04/27/2012 2039
Styrene	ND		1	5.0	0.10	ug/L	04/27/2012 2039
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/27/2012 2039
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/27/2012 2039
Toluene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/27/2012 2039
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/27/2012 2039
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/27/2012 2039
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/27/2012 2039

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ83604-001
Batch: 83604
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/27/2012 2039
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/27/2012 2039
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/27/2012 2039
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/27/2012 2039

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ83604-002
Batch: 83604
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	103	70-130	04/27/2012 1843
Benzene	50	56		1	112	70-130	04/27/2012 1843
Bromodichloromethane	50	55		1	110	70-130	04/27/2012 1843
Bromoform	50	53		1	105	70-130	04/27/2012 1843
Bromomethane (Methyl bromide)	50	48		1	97	60-140	04/27/2012 1843
2-Butanone (MEK)	100	120		1	116	60-140	04/27/2012 1843
Carbon disulfide	50	63		1	126	60-140	04/27/2012 1843
Carbon tetrachloride	50	57		1	114	70-130	04/27/2012 1843
Chlorobenzene	50	55		1	110	70-130	04/27/2012 1843
Chloroethane	50	54		1	108	42-163	04/27/2012 1843
Chloroform	50	56		1	112	70-130	04/27/2012 1843
Chloromethane (Methyl chloride)	50	43		1	86	70-130	04/27/2012 1843
Cyclohexane	50	53		1	105	70-130	04/27/2012 1843
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	105	70-130	04/27/2012 1843
Dibromochloromethane	50	57		1	114	70-130	04/27/2012 1843
1,2-Dibromoethane (EDB)	50	57		1	114	70-130	04/27/2012 1843
1,4-Dichlorobenzene	50	54		1	108	70-130	04/27/2012 1843
1,3-Dichlorobenzene	50	56		1	112	70-130	04/27/2012 1843
1,2-Dichlorobenzene	50	54		1	109	70-130	04/27/2012 1843
Dichlorodifluoromethane	50	44		1	88	60-140	04/27/2012 1843
1,2-Dichloroethane	50	54		1	107	70-130	04/27/2012 1843
1,1-Dichloroethane	50	55		1	109	70-130	04/27/2012 1843
trans-1,2-Dichloroethene	50	57		1	114	70-130	04/27/2012 1843
cis-1,2-Dichloroethene	50	57		1	115	70-130	04/27/2012 1843
1,1-Dichloroethene	50	58		1	116	70-130	04/27/2012 1843
1,2-Dichloropropane	50	57		1	114	70-130	04/27/2012 1843
trans-1,3-Dichloropropene	50	60		1	121	70-130	04/27/2012 1843
cis-1,3-Dichloropropene	50	62		1	124	70-130	04/27/2012 1843
Ethylbenzene	50	55		1	111	70-130	04/27/2012 1843
2-Hexanone	100	110		1	110	60-140	04/27/2012 1843
Isopropylbenzene	50	57		1	114	70-130	04/27/2012 1843
Methyl acetate	50	50		1	100	70-130	04/27/2012 1843
Methyl tertiary butyl ether (MTBE)	50	56		1	112	70-130	04/27/2012 1843
4-Methyl-2-pentanone	100	110		1	110	60-140	04/27/2012 1843
Methylcyclohexane	50	58		1	116	70-130	04/27/2012 1843
Methylene chloride	50	55		1	109	70-130	04/27/2012 1843
Styrene	50	59		1	118	70-130	04/27/2012 1843
1,1,2,2-Tetrachloroethane	50	59		1	119	70-130	04/27/2012 1843
Tetrachloroethene	50	54		1	108	70-130	04/27/2012 1843
Toluene	50	55		1	111	70-130	04/27/2012 1843
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	119	70-130	04/27/2012 1843
1,2,4-Trichlorobenzene	50	54		1	109	70-130	04/27/2012 1843
1,1,2-Trichloroethane	50	55		1	111	70-130	04/27/2012 1843
1,1,1-Trichloroethane	50	55		1	110	70-130	04/27/2012 1843

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ83604-002
Batch: 83604
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	55		1	111	70-130	04/27/2012 1843
Trichlorofluoromethane	50	52		1	104	70-130	04/27/2012 1843
Vinyl chloride	50	47		1	95	70-130	04/27/2012 1843
Xylenes (total)	100	110		1	111	70-130	04/27/2012 1843

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ83604-003
Batch: 83604
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	103	0.038	70-130	20	04/27/2012 1906
Benzene	50	57		1	113	1.3	70-130	20	04/27/2012 1906
Bromodichloromethane	50	56		1	111	1.0	70-130	20	04/27/2012 1906
Bromoform	50	54		1	109	3.0	70-130	20	04/27/2012 1906
Bromomethane (Methyl bromide)	50	50		1	101	3.9	60-140	20	04/27/2012 1906
2-Butanone (MEK)	100	110		1	112	3.3	60-140	20	04/27/2012 1906
Carbon disulfide	50	64		1	127	0.94	60-140	20	04/27/2012 1906
Carbon tetrachloride	50	58		1	115	1.6	70-130	20	04/27/2012 1906
Chlorobenzene	50	56		1	112	1.5	70-130	20	04/27/2012 1906
Chloroethane	50	47		1	95	13	42-163	20	04/27/2012 1906
Chloroform	50	55		1	111	1.1	70-130	20	04/27/2012 1906
Chloromethane (Methyl chloride)	50	45		1	91	4.8	70-130	20	04/27/2012 1906
Cyclohexane	50	54		1	107	1.9	70-130	20	04/27/2012 1906
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	112	6.7	70-130	20	04/27/2012 1906
Dibromochloromethane	50	58		1	116	1.5	70-130	20	04/27/2012 1906
1,2-Dibromoethane (EDB)	50	59		1	117	2.8	70-130	20	04/27/2012 1906
1,4-Dichlorobenzene	50	55		1	110	1.1	70-130	20	04/27/2012 1906
1,3-Dichlorobenzene	50	57		1	114	1.9	70-130	20	04/27/2012 1906
1,2-Dichlorobenzene	50	56		1	113	3.7	70-130	20	04/27/2012 1906
Dichlorodifluoromethane	50	45		1	91	3.5	60-140	20	04/27/2012 1906
1,2-Dichloroethane	50	54		1	108	0.13	70-130	20	04/27/2012 1906
1,1-Dichloroethane	50	55		1	109	0.23	70-130	20	04/27/2012 1906
trans-1,2-Dichloroethene	50	57		1	114	0.0052	70-130	20	04/27/2012 1906
cis-1,2-Dichloroethene	50	57		1	114	0.76	70-130	20	04/27/2012 1906
1,1-Dichloroethene	50	58		1	117	0.28	70-130	20	04/27/2012 1906
1,2-Dichloropropane	50	58		1	115	1.4	70-130	20	04/27/2012 1906
trans-1,3-Dichloropropene	50	62		1	123	2.0	70-130	20	04/27/2012 1906
cis-1,3-Dichloropropene	50	63		1	126	1.4	70-130	20	04/27/2012 1906
Ethylbenzene	50	57		1	115	3.5	70-130	20	04/27/2012 1906
2-Hexanone	100	110		1	113	2.3	60-140	20	04/27/2012 1906
Isopropylbenzene	50	57		1	115	0.56	70-130	20	04/27/2012 1906
Methyl acetate	50	49		1	99	1.6	70-130	20	04/27/2012 1906
Methyl tertiary butyl ether (MTBE)	50	55		1	111	0.98	70-130	20	04/27/2012 1906
4-Methyl-2-pentanone	100	110		1	111	0.86	60-140	20	04/27/2012 1906
Methylcyclohexane	50	59		1	118	2.3	70-130	20	04/27/2012 1906
Methylene chloride	50	55		1	110	0.84	70-130	20	04/27/2012 1906
Styrene	50	60		1	120	2.4	70-130	20	04/27/2012 1906
1,1,2,2-Tetrachloroethane	50	59		1	119	0.20	70-130	20	04/27/2012 1906
Tetrachloroethene	50	56		1	111	2.5	70-130	20	04/27/2012 1906
Toluene	50	56		1	113	1.7	70-130	20	04/27/2012 1906
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	61		1	123	3.4	70-130	20	04/27/2012 1906
1,2,4-Trichlorobenzene	50	58		1	115	5.5	70-130	20	04/27/2012 1906
1,1,2-Trichloroethane	50	56		1	112	1.6	70-130	20	04/27/2012 1906
1,1,1-Trichloroethane	50	56		1	112	2.2	70-130	20	04/27/2012 1906

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N - Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ83604-003
Batch: 83604
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	56		1	112	1.5	70-130	20	04/27/2012 1906
Trichlorofluoromethane	50	54		1	108	3.4	70-130	20	04/27/2012 1906
Vinyl chloride	50	50		1	100	5.5	70-130	20	04/27/2012 1906
Xylenes (total)	100	110		1	114	1.9	70-130	20	04/27/2012 1906

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: NQ82766-001
Batch: 82766
Analytical Method: 8081B

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/18/2012 1012

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	1.7	0.036	ug/kg	04/27/2012 2035
4,4'-DDE	ND		1	1.7	0.32	ug/kg	04/27/2012 2035
4,4'-DDT	ND		1	1.7	0.070	ug/kg	04/27/2012 2035
Aldrin	ND		1	1.7	0.042	ug/kg	04/27/2012 2035
alpha-BHC	ND		1	1.7	0.045	ug/kg	04/27/2012 2035
alpha-Chlordane	0.057	J	1	1.7	0.028	ug/kg	04/27/2012 2035
beta-BHC	ND		1	1.7	0.036	ug/kg	04/27/2012 2035
delta-BHC	ND		1	1.7	0.021	ug/kg	04/27/2012 2035
Dieldrin	ND		1	1.7	0.028	ug/kg	04/27/2012 2035
Endosulfan I	ND		1	1.7	0.041	ug/kg	04/27/2012 2035
Endosulfan II	ND		1	1.7	0.032	ug/kg	04/27/2012 2035
Endosulfan sulfate	ND		1	1.7	0.037	ug/kg	04/27/2012 2035
Endrin	ND		1	1.7	0.022	ug/kg	04/27/2012 2035
Endrin aldehyde	ND		1	1.7	0.036	ug/kg	04/27/2012 2035
Endrin ketone	ND		1	1.7	0.036	ug/kg	04/27/2012 2035
gamma-BHC (Lindane)	ND		1	1.7	0.075	ug/kg	04/27/2012 2035
gamma-Chlordane	ND		1	1.7	0.025	ug/kg	04/27/2012 2035
Heptachlor	0.063	J	1	1.7	0.057	ug/kg	04/27/2012 2035
Heptachlor epoxide	ND		1	1.7	0.036	ug/kg	04/27/2012 2035
Methoxychlor	ND		1	6.7	0.067	ug/kg	04/27/2012 2035
Toxaphene	ND		1	83	1.7	ug/kg	04/27/2012 2035

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		115	51-134
Tetrachloro-m-xylene		88	51-104

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: NQ82766-002
Batch: 82766
Analytical Method: 8081B

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/18/2012 1012

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	17	19		1	111	70-130	04/27/2012 2056
4,4'-DDE	17	19		1	113	70-130	04/27/2012 2056
4,4'-DDT	17	18		1	105	70-130	04/27/2012 2056
Aldrin	17	19		1	113	70-130	04/27/2012 2056
alpha-BHC	17	17		1	103	70-130	04/27/2012 2056
alpha-Chlordane	17	19		1	111	70-130	04/27/2012 2056
beta-BHC	17	17		1	102	70-130	04/27/2012 2056
delta-BHC	17	18		1	104	70-130	04/27/2012 2056
Dieldrin	17	19		1	112	70-130	04/27/2012 2056
Endosulfan I	17	18		1	107	70-130	04/27/2012 2056
Endosulfan II	17	18		1	105	70-130	04/27/2012 2056
Endosulfan sulfate	17	18		1	106	70-130	04/27/2012 2056
Endrin	17	21		1	121	70-130	04/27/2012 2056
Endrin aldehyde	17	16		1	97	70-130	04/27/2012 2056
Endrin ketone	17	17		1	97	70-130	04/27/2012 2056
gamma-BHC (Lindane)	17	19		1	110	70-130	04/27/2012 2056
gamma-Chlordane	17	20		1	119	70-130	04/27/2012 2056
Heptachlor	17	18		1	106	70-130	04/27/2012 2056
Heptachlor epoxide	17	18		1	105	70-130	04/27/2012 2056
Methoxychlor	17	17		1	102	70-130	04/27/2012 2056

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		120	51-134
Tetrachloro-m-xylene		92	51-104

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MB

Sample ID: NQ82792-001
Batch: 82792
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 04/18/2012 1423

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
4,4'-DDD	ND		1	0.025	0.0010	ug/L	04/27/2012 1521
4,4'-DDE	ND		1	0.025	0.011	ug/L	04/27/2012 1521
4,4'-DDT	0.032		1	0.025	0.0020	ug/L	04/27/2012 1521
Aldrin	ND		1	0.025	0.0017	ug/L	04/27/2012 1521
alpha-BHC	ND		1	0.025	0.0010	ug/L	04/27/2012 1521
alpha-Chlordane	0.0030	J	1	0.025	0.0013	ug/L	04/27/2012 1521
beta-BHC	0.12		1	0.025	0.0039	ug/L	04/27/2012 1521
delta-BHC	0.0013	J	1	0.025	0.0011	ug/L	04/27/2012 1521
Dieldrin	ND		1	0.025	0.0010	ug/L	04/27/2012 1521
Endosulfan I	ND		1	0.025	0.0022	ug/L	04/27/2012 1521
Endosulfan II	ND		1	0.025	0.0015	ug/L	04/27/2012 1521
Endosulfan sulfate	ND		1	0.025	0.0011	ug/L	04/27/2012 1521
Endrin	ND		1	0.025	0.0010	ug/L	04/27/2012 1521
Endrin aldehyde	ND		1	0.025	0.0019	ug/L	04/27/2012 1521
Endrin ketone	ND		1	0.025	0.0012	ug/L	04/27/2012 1521
gamma-BHC (Lindane)	0.0044	J	1	0.025	0.0011	ug/L	04/27/2012 1521
gamma-Chlordane	ND		1	0.025	0.0015	ug/L	04/27/2012 1521
Heptachlor	ND		1	0.025	0.013	ug/L	04/27/2012 1521
Heptachlor epoxide	ND		1	0.025	0.0020	ug/L	04/27/2012 1521
Methoxychlor	ND		1	0.10	0.0020	ug/L	04/27/2012 1521
Toxaphene	ND		1	0.25	0.11	ug/L	04/27/2012 1521

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		106	20-131
Tetrachloro-m-xylene		92	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - LCS

Sample ID: NQ82792-002
Batch: 82792
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 04/18/2012 1423

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4,4'-DDD	0.50	0.57		1	114	70-130	04/27/2012 1541
4,4'-DDE	0.50	0.57		1	114	70-130	04/27/2012 1541
4,4'-DDT	0.50	0.56		1	113	70-130	04/27/2012 1541
Aldrin	0.50	0.59		1	118	70-130	04/27/2012 1541
alpha-BHC	0.50	0.55		1	110	70-130	04/27/2012 1541
beta-BHC	0.50	0.52		1	104	70-130	04/27/2012 1541
delta-BHC	0.50	0.55		1	110	70-130	04/27/2012 1541
Dieldrin	0.50	0.57		1	114	70-130	04/27/2012 1541
Endosulfan I	0.50	0.54		1	108	70-130	04/27/2012 1541
Endosulfan II	0.50	0.52		1	104	70-130	04/27/2012 1541
Endosulfan sulfate	0.50	0.53		1	107	70-130	04/27/2012 1541
Endrin	0.50	0.63		1	126	70-130	04/27/2012 1541
Endrin aldehyde	0.50	0.50		1	99	70-130	04/27/2012 1541
gamma-BHC (Lindane)	0.50	0.59		1	117	70-130	04/27/2012 1541
gamma-Chlordane	0.50	0.58		1	117	70-130	04/27/2012 1541
Heptachlor	0.50	0.55		1	111	70-130	04/27/2012 1541
Heptachlor epoxide	0.50	0.53		1	106	70-130	04/27/2012 1541
Methoxychlor	0.50	0.53		1	105	70-130	04/27/2012 1541

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		104	20-131
Tetrachloro-m-xylene		100	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MS

Sample ID: ND17010-003MS
Batch: 82792
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 04/18/2012 1423

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	1.0	1.2		1	119	70-130	04/27/2012 1814
alpha-BHC	ND	1.0	1.1		1	108	70-130	04/27/2012 1814
beta-BHC	ND	1.0	1.1		1	106	70-130	04/27/2012 1814
delta-BHC	ND	1.0	1.1		1	109	70-130	04/27/2012 1814
gamma-BHC (Lindane)	ND	1.0	1.2		1	114	70-130	04/27/2012 1814
gamma-Chlordane	ND	1.0	1.3		1	122	70-130	04/27/2012 1814
4,4'-DDD	ND	1.0	1.2		1	116	70-130	04/27/2012 1814
4,4'-DDE	ND	1.0	1.2		1	117	70-130	04/27/2012 1814
4,4'-DDT	ND	1.0	1.1		1	108	70-130	04/27/2012 1814
Dieldrin	0.26	1.0	1.5		1	118	70-130	04/27/2012 1814
Endosulfan I	ND	1.0	1.1		1	110	70-130	04/27/2012 1814
Endosulfan II	0.0037	1.0	1.1		1	107	70-130	04/27/2012 1814
Endosulfan sulfate	ND	1.0	1.1		1	108	70-130	04/27/2012 1814
Endrin	0.0040	1.0	1.3		1	127	70-130	04/27/2012 1814
Endrin aldehyde	ND	1.0	1.1		1	106	70-130	04/27/2012 1814
Heptachlor	ND	1.0	1.1		1	109	70-130	04/27/2012 1814
Heptachlor epoxide	ND	1.0	1.1		1	109	70-130	04/27/2012 1814
Methoxychlor	0.0053	1.0	1.1		1	106	70-130	04/27/2012 1814

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		98	20-131
Tetrachloro-m-xylene		94	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Organochlorine Pesticides by GC - MSD

Sample ID: ND17010-003MD
Batch: 82792
Analytical Method: 8081B

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 04/18/2012 1423

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	1.1	1.3		1	121	4.1	70-130	30	04/27/2012 1835
alpha-BHC	ND	1.1	1.2		1	112	5.9	70-130	30	04/27/2012 1835
beta-BHC	ND	1.1	1.1		1	107	3.6	70-130	30	04/27/2012 1835
delta-BHC	ND	1.1	1.2		1	110	3.8	70-130	30	04/27/2012 1835
gamma-BHC (Lindane)	ND	1.1	1.3		1	118	5.0	70-130	30	04/27/2012 1835
gamma-Chlordane	ND	1.1	1.3		1	123	3.1	70-130	30	04/27/2012 1835
4,4'-DDD	ND	1.1	1.2		1	116	2.2	70-130	30	04/27/2012 1835
4,4'-DDE	ND	1.1	1.3		1	118	2.8	70-130	30	04/27/2012 1835
4,4'-DDT	ND	1.1	1.2		1	108	2.2	70-130	30	04/27/2012 1835
Dieldrin	0.26	1.1	1.5		1	119	2.0	70-130	30	04/27/2012 1835
Endosulfan I	ND	1.1	1.2		1	111	3.3	70-130	30	04/27/2012 1835
Endosulfan II	0.0037	1.1	1.1		1	107	2.6	70-130	30	04/27/2012 1835
Endosulfan sulfate	ND	1.1	1.2		1	109	2.2	70-130	30	04/27/2012 1835
Endrin	0.0040	1.1	1.4		1	128	2.8	70-130	30	04/27/2012 1835
Endrin aldehyde	ND	1.1	1.1		1	106	1.7	70-130	30	04/27/2012 1835
Heptachlor	ND	1.1	1.2		1	112	4.8	70-130	30	04/27/2012 1835
Heptachlor epoxide	ND	1.1	1.2		1	110	2.9	70-130	30	04/27/2012 1835
Methoxychlor	0.0053	1.1	1.1		1	106	2.6	70-130	30	04/27/2012 1835

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		105	20-131
Tetrachloro-m-xylene		100	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ82698-001
Batch: 82698
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/17/2012 1449

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Aluminum	ND		1	0.20	0.044	mg/L	04/17/2012 2143
Arsenic	ND		1	0.010	0.0040	mg/L	04/17/2012 2143
Barium	ND		1	0.025	0.0075	mg/L	04/17/2012 2143
Cadmium	ND		1	0.0020	0.00060	mg/L	04/17/2012 2143
Chromium	0.0036	J	1	0.0050	0.0021	mg/L	04/17/2012 2143
Copper	ND		1	0.0050	0.0015	mg/L	04/17/2012 2143
Iron	ND		1	0.10	0.023	mg/L	04/17/2012 2143
Lead	ND		1	0.010	0.0019	mg/L	04/17/2012 2143
Magnesium	ND		1	5.0	1.2	mg/L	04/17/2012 2143
Manganese	ND		1	0.015	0.0049	mg/L	04/17/2012 2143
Nickel	ND		1	0.040	0.010	mg/L	04/17/2012 2143
Silver	0.0014	J	1	0.0050	0.00040	mg/L	04/17/2012 2143
Zinc	ND		1	0.020	0.0045	mg/L	04/17/2012 2143

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ82698-002
Batch: 82698
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/17/2012 1449

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	20	20		1	100	80-120	04/17/2012 2150
Arsenic	0.40	0.39		1	98	80-120	04/17/2012 2150
Barium	2.0	2.0		1	99	80-120	04/17/2012 2150
Cadmium	0.40	0.43		1	108	80-120	04/17/2012 2150
Chromium	2.0	2.0		1	101	80-120	04/17/2012 2150
Copper	2.0	1.9		1	96	80-120	04/17/2012 2150
Iron	20	21		1	104	80-120	04/17/2012 2150
Lead	0.40	0.44		1	109	80-120	04/17/2012 2150
Magnesium	40	41		1	103	80-120	04/17/2012 2150
Manganese	2.0	2.1		1	103	80-120	04/17/2012 2150
Nickel	2.0	2.0		1	102	80-120	04/17/2012 2150
Silver	0.40	0.39		1	98	80-120	04/17/2012 2150
Zinc	2.0	2.1		1	107	80-120	04/17/2012 2150

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ82698-003
Batch: 82698
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/17/2012 1449

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	20	20		1	100	0.14	80-120	20	04/17/2012 2157
Arsenic	0.40	0.39		1	98	0.13	80-120	20	04/17/2012 2157
Barium	2.0	2.0		1	99	0.13	80-120	20	04/17/2012 2157
Cadmium	0.40	0.43		1	108	0.20	80-120	20	04/17/2012 2157
Chromium	2.0	2.0		1	101	0.055	80-120	20	04/17/2012 2157
Copper	2.0	1.9		1	96	0.13	80-120	20	04/17/2012 2157
Iron	20	21		1	104	0.28	80-120	20	04/17/2012 2157
Lead	0.40	0.43		1	108	1.3	80-120	20	04/17/2012 2157
Magnesium	40	41		1	103	0.27	80-120	20	04/17/2012 2157
Manganese	2.0	2.1		1	103	0.15	80-120	20	04/17/2012 2157
Nickel	2.0	2.0		1	102	0.14	80-120	20	04/17/2012 2157
Silver	0.40	0.39		1	99	0.20	80-120	20	04/17/2012 2157
Zinc	2.0	2.2		1	108	0.28	80-120	20	04/17/2012 2157

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MS

Sample ID: ND17010-005MS
Batch: 82698
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/17/2012 1449

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	ND	20	20		1	101	75-125	04/18/2012 0055
Arsenic	0.0047	0.40	0.40		1	98	75-125	04/18/2012 0055
Barium	0.028	2.0	2.0		1	100	75-125	04/18/2012 0055
Cadmium	ND	0.40	0.44		1	109	75-125	04/18/2012 0055
Chromium	0.0022	2.0	2.1		1	103	75-125	04/18/2012 0055
Copper	0.18	2.0	2.1		1	98	75-125	04/18/2012 0055
Iron	ND	20	22		1	109	75-125	04/18/2012 0055
Lead	0.0078	0.40	0.44		1	109	75-125	04/18/2012 0055
Magnesium	4.0	40	47		1	106	75-125	04/18/2012 0055
Manganese	ND	2.0	2.1		1	105	75-125	04/18/2012 0055
Nickel	0.019	2.0	2.1		1	104	75-125	04/18/2012 0055
Silver	0.0018	0.40	0.40		1	99	75-125	04/18/2012 0055
Zinc	0.16	2.0	2.4		1	111	75-125	04/18/2012 0055

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MSD

Sample ID: ND17010-005MD
Batch: 82698
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/17/2012 1449

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	ND	20	20		1	101	0.058	75-125	20	04/18/2012 0102
Arsenic	0.0047	0.40	0.40		1	98	0.25	75-125	20	04/18/2012 0102
Barium	0.028	2.0	2.0		1	100	0.18	75-125	20	04/18/2012 0102
Cadmium	ND	0.40	0.44		1	110	0.26	75-125	20	04/18/2012 0102
Chromium	0.0022	2.0	2.1		1	103	0.25	75-125	20	04/18/2012 0102
Copper	0.18	2.0	2.1		1	97	0.24	75-125	20	04/18/2012 0102
Iron	ND	20	22		1	110	0.51	75-125	20	04/18/2012 0102
Lead	0.0078	0.40	0.44		1	109	0.32	75-125	20	04/18/2012 0102
Magnesium	4.0	40	47		1	107	0.40	75-125	20	04/18/2012 0102
Manganese	ND	2.0	2.1		1	105	0.22	75-125	20	04/18/2012 0102
Nickel	0.019	2.0	2.1		1	104	0.49	75-125	20	04/18/2012 0102
Silver	0.0018	0.40	0.40		1	99	0.033	75-125	20	04/18/2012 0102
Zinc	0.16	2.0	2.4		1	112	0.40	75-125	20	04/18/2012 0102

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ82655-001
Batch: 82655
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 04/17/2012 1111

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	04/17/2012 1440

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ82655-002
Batch: 82655
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 04/17/2012 1111

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0022		1	108	85-115	04/17/2012 1442

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ82655-003
Batch: 82655
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 04/17/2012 1111

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0023		1	113	5.0	85-115	20	04/17/2012 1445

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 11301

Client: NCDENR-DWM	Report to Contact: Vincent Antrilli	Sampler (Printed Name): Vincent Antrilli	Quote No.
Address: 217 N. Jones St.	Telephone No. / Fax No. / Email: 919-707-8353	Waybill No.	Page ___ of ___
City: Raleigh; State: NC; Zip Code: 27603	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: VFW Rd			Lot No. ND17016
Project Number	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs	Pesticides	Pesticides	Metals									Remarks / Cooler ID
Number of Containers									14	6	1	1									
Bottle (See Instructions on back)									A	I	N	F									
Preservative									5	1	1	4									
Trip Blank	4-16-12								2												
VFW-11		10:15		✓			✓			2	1										
VFW-10		11:15		✓						2											
VFW-17		11:45		✓					3			1									
VFW-4		1:45		✓					3												
VFW-5		2:15		✓					3												
VFW-9		3:00		✓						2											
VFW-14		3:45		✓					3												

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

1. Relinquished by / Sampler: Vincent Antrilli	Date: 4-16-12	Time: 6:30	1. Received by	Date	Time
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: FEDEX	Date: 4-17-12	Time: 0915	4. Laboratory Received by	Date: 4-17-12	Time: 0915

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack Receipt Temp. 1.7 °C Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: NCDENR Cooler Inspected by/date: EL 4/17/12 Lot #: ND17010

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 1-7 °C / °C / °C / °C
Method: ☑ Temperature Blank ☐ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☑	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials? TB (2 vials with air bubbles > 6 mm)
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s) _____
Sample(s) _____
TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:
Was client notified: Yes ☐ No ☐
SESI employee: _____
Comments: _____

All This portion can be removed for Recipient's records
Date 4-16-12 FedEx Tracking Number 863125980520
Sender's Name Vincent Antrilli Phone 919 707-8353
Company NCDENR-DWM
Address 217 W. Jones St.
City Raleigh State NC ZIP 27603
Your Internal Billing Reference

Report of Analysis

NCDENR - DWM - DSCA
401 Oberlin Rd
Suite 210
Raleigh, NC 27605
Attention: Vincent Antrilli

Project Name: Frances Brown Res - VFW Rd

Lot Number: NH31012

Date Completed: 09/12/2012

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* N H 3 1 0 1 2 *

Case Narrative

NCDENR - DWM - DSCA

Lot Number: NH31012

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

NCDENR - DWM - DSCA

Lot Number: NH31012

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Trip Blank	Aqueous	08/30/2012	08/31/2012
002	VFW-18	Aqueous	08/30/2012 1010	08/31/2012
003	FB-11	Aqueous	08/30/2012 1120	08/31/2012
004	FB-5	Aqueous	08/30/2012 1200	08/31/2012

(4 samples)

Executive Summary

NCDENR - DWM - DSCA

Lot Number: NH31012

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	VFW-18	Aqueous	Copper	6010C	0.044		mg/L	11
002	VFW-18	Aqueous	Iron	6010C	0.49		mg/L	11
002	VFW-18	Aqueous	Zinc	6010C	0.044		mg/L	11
003	FB-11	Aqueous	Copper	6010C	0.0051		mg/L	15
003	FB-11	Aqueous	Magnesium	6010C	7.7		mg/L	15
003	FB-11	Aqueous	Manganese	6010C	0.040		mg/L	15

(6 detections)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NH31012-001
Description: Trip Blank	Matrix: Aqueous
Date Sampled: 08/30/2012	
Date Received: 08/31/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/04/2012 1339	DLB		92633

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		122	40-170

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time	Q = Surrogate failure
ND = Not detected at or above the PQL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria	L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)		S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-001
Description: Trip Blank
Matrix: Aqueous
Date Sampled: 08/30/2012
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/11/2012 2123	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | H = Out of holding time | Q = Surrogate failure
ND = Not detected at or above the PQL | J = Estimated result < PQL and ≥ MDL | P = The RPD between two GC columns exceeds 40% | N = Recovery is out of criteria | L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" | * = Reportable result (only when report all runs) | S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NH31012-001
Description: Trip Blank	Matrix: Aqueous
Date Sampled: 08/30/2012	
Date Received: 08/31/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/11/2012 2123	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	H = Out of holding time	Q = Surrogate failure
ND = Not detected at or above the PQL	J = Estimated result < PQL and ≥ MDL	P = The RPD between two GC columns exceeds 40%	N = Recovery is out of criteria	L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"		* = Reportable result (only when report all runs)		S = MS/MSD failure

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-002
Description: VFW-18
Matrix: Aqueous
Date Sampled: 08/30/2012 1010
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/04/2012 1402	DLB		92633

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-002
Description: VFW-18
Matrix: Aqueous
Date Sampled: 08/30/2012 1010
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/12/2012 0103	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-002
Description: VFW-18
Matrix: Aqueous
Date Sampled: 08/30/2012 1010
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/12/2012 0103	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

TAL Metals

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-002
Description: VFW-18
Matrix: Aqueous
Date Sampled: 08/30/2012 1010
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/06/2012 1350	COH	09/06/2012 0909	92786
1	3005A	6010C	1	09/06/2012 2009	BNW	09/06/2012 1347	92818

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	7440-50-8	6010C	0.044		0.0050	mg/L	1
Iron	7439-89-6	6010C	0.49		0.10	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	7439-95-4	6010C	ND		5.0	mg/L	1
Manganese	7439-96-5	6010C	ND		0.015	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	7440-66-6	6010C	0.044		0.020	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-003
Description: FB-11
Matrix: Aqueous
Date Sampled: 08/30/2012 1120
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/04/2012 1426	DLB		92633

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		128	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-003
Description: FB-11
Matrix: Aqueous
Date Sampled: 08/30/2012 1120
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/11/2012 2145	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-003
Description: FB-11
Matrix: Aqueous
Date Sampled: 08/30/2012 1120
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/11/2012 2145	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

TAL Metals

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-003
Description: FB-11
Matrix: Aqueous
Date Sampled: 08/30/2012 1120
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	09/06/2012 1401	COH	09/06/2012 0909	92786
1	3005A	6010C	1	09/06/2012 2013	BNW	09/06/2012 1347	92818

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	7440-50-8	6010C	0.0051		0.0050	mg/L	1
Iron	7439-89-6	6010C	ND		0.10	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	7439-95-4	6010C	7.7		5.0	mg/L	1
Manganese	7439-96-5	6010C	0.040		0.015	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-004
Description: FB-5
Matrix: Aqueous
Date Sampled: 08/30/2012 1200
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	09/04/2012 1449	DLB		92633

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		125	40-170

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-004
Description: FB-5
Matrix: Aqueous
Date Sampled: 08/30/2012 1200
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/11/2012 2207	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA
Laboratory ID: NH31012-004
Description: FB-5
Matrix: Aqueous
Date Sampled: 08/30/2012 1200
Date Received: 08/31/2012

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	09/11/2012 2207	JJG		93092

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)
S = MS/MSD failure

QC Summary

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ92633-001
Batch: 92633
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	09/04/2012 1038

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		118	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ92633-002
Batch: 92633
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	60		1	120	43-173	09/04/2012 0851

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		124	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ92633-003
Batch: 92633
Analytical Method: 8260B (SIM iso.)

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	54		1	108	11	43-173	20	09/04/2012 0914

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		120	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ93092-001
Batch: 93092
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	09/11/2012 2046
Benzene	ND		1	0.50	ug/L	09/11/2012 2046
Bromodichloromethane	ND		1	0.50	ug/L	09/11/2012 2046
Bromoform	ND		1	0.50	ug/L	09/11/2012 2046
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	09/11/2012 2046
2-Butanone (MEK)	ND		1	10	ug/L	09/11/2012 2046
Carbon disulfide	ND		1	0.50	ug/L	09/11/2012 2046
Carbon tetrachloride	ND		1	0.50	ug/L	09/11/2012 2046
Chlorobenzene	ND		1	0.50	ug/L	09/11/2012 2046
Chloroethane	ND		1	0.50	ug/L	09/11/2012 2046
Chloroform	ND		1	0.50	ug/L	09/11/2012 2046
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	09/11/2012 2046
Cyclohexane	ND		1	0.50	ug/L	09/11/2012 2046
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	09/11/2012 2046
Dibromochloromethane	ND		1	0.50	ug/L	09/11/2012 2046
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	09/11/2012 2046
1,2-Dichlorobenzene	ND		1	0.50	ug/L	09/11/2012 2046
1,4-Dichlorobenzene	ND		1	0.50	ug/L	09/11/2012 2046
1,3-Dichlorobenzene	ND		1	0.50	ug/L	09/11/2012 2046
Dichlorodifluoromethane	ND		1	0.50	ug/L	09/11/2012 2046
1,2-Dichloroethane	ND		1	0.50	ug/L	09/11/2012 2046
1,1-Dichloroethane	ND		1	0.50	ug/L	09/11/2012 2046
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	09/11/2012 2046
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	09/11/2012 2046
1,1-Dichloroethene	ND		1	0.50	ug/L	09/11/2012 2046
1,2-Dichloropropane	ND		1	0.50	ug/L	09/11/2012 2046
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	09/11/2012 2046
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	09/11/2012 2046
Ethylbenzene	ND		1	0.50	ug/L	09/11/2012 2046
2-Hexanone	ND		1	10	ug/L	09/11/2012 2046
Isopropylbenzene	ND		1	0.50	ug/L	09/11/2012 2046
Methyl acetate	ND		1	1.0	ug/L	09/11/2012 2046
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	09/11/2012 2046
4-Methyl-2-pentanone	ND		1	10	ug/L	09/11/2012 2046
Methylcyclohexane	ND		1	5.0	ug/L	09/11/2012 2046
Methylene chloride	ND		1	0.50	ug/L	09/11/2012 2046
Styrene	ND		1	0.50	ug/L	09/11/2012 2046
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	09/11/2012 2046
Tetrachloroethene	ND		1	0.50	ug/L	09/11/2012 2046
Toluene	ND		1	0.50	ug/L	09/11/2012 2046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	09/11/2012 2046
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	09/11/2012 2046
1,1,1-Trichloroethane	ND		1	0.50	ug/L	09/11/2012 2046
1,1,2-Trichloroethane	ND		1	0.50	ug/L	09/11/2012 2046

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ93092-001
Batch: 93092
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	09/11/2012 2046
Trichlorofluoromethane	ND		1	0.50	ug/L	09/11/2012 2046
Vinyl chloride	ND		1	0.50	ug/L	09/11/2012 2046
Xylenes (total)	ND		1	0.50	ug/L	09/11/2012 2046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ93092-002
Batch: 93092
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	90		1	90	46-153	09/11/2012 1845
Benzene	50	48		1	96	70-130	09/11/2012 1845
Bromodichloromethane	50	47		1	94	70-130	09/11/2012 1845
Bromoform	50	42		1	84	70-130	09/11/2012 1845
Bromomethane (Methyl bromide)	50	47		1	93	60-140	09/11/2012 1845
2-Butanone (MEK)	100	99		1	99	60-140	09/11/2012 1845
Carbon disulfide	50	43		1	87	60-140	09/11/2012 1845
Carbon tetrachloride	50	42		1	84	70-130	09/11/2012 1845
Chlorobenzene	50	50		1	99	70-130	09/11/2012 1845
Chloroethane	50	45		1	91	42-163	09/11/2012 1845
Chloroform	50	45		1	90	70-130	09/11/2012 1845
Chloromethane (Methyl chloride)	50	48		1	95	20-158	09/11/2012 1845
Cyclohexane	50	48		1	97	70-130	09/11/2012 1845
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	70-130	09/11/2012 1845
Dibromochloromethane	50	49		1	98	70-130	09/11/2012 1845
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	09/11/2012 1845
1,2-Dichlorobenzene	50	51		1	101	70-130	09/11/2012 1845
1,4-Dichlorobenzene	50	49		1	98	70-130	09/11/2012 1845
1,3-Dichlorobenzene	50	51		1	102	70-130	09/11/2012 1845
Dichlorodifluoromethane	50	46		1	92	60-140	09/11/2012 1845
1,2-Dichloroethane	50	44		1	89	70-130	09/11/2012 1845
1,1-Dichloroethane	50	47		1	93	70-130	09/11/2012 1845
trans-1,2-Dichloroethene	50	48		1	96	70-130	09/11/2012 1845
cis-1,2-Dichloroethene	50	47		1	95	70-130	09/11/2012 1845
1,1-Dichloroethene	50	51		1	101	70-130	09/11/2012 1845
1,2-Dichloropropane	50	47		1	95	70-130	09/11/2012 1845
trans-1,3-Dichloropropene	50	49		1	98	70-130	09/11/2012 1845
cis-1,3-Dichloropropene	50	48		1	97	70-130	09/11/2012 1845
Ethylbenzene	50	50		1	100	70-130	09/11/2012 1845
2-Hexanone	100	120		1	118	60-140	09/11/2012 1845
Isopropylbenzene	50	54		1	108	70-130	09/11/2012 1845
Methyl acetate	50	39		1	78	15-128	09/11/2012 1845
Methyl tertiary butyl ether (MTBE)	50	49		1	99	70-130	09/11/2012 1845
4-Methyl-2-pentanone	100	110		1	111	60-140	09/11/2012 1845
Methylcyclohexane	50	54		1	108	70-130	09/11/2012 1845
Methylene chloride	50	45		1	90	70-130	09/11/2012 1845
Styrene	50	54		1	108	70-130	09/11/2012 1845
1,1,2,2-Tetrachloroethane	50	53		1	106	70-130	09/11/2012 1845
Tetrachloroethene	50	53		1	105	70-130	09/11/2012 1845
Toluene	50	46		1	92	70-130	09/11/2012 1845
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	70-130	09/11/2012 1845
1,2,4-Trichlorobenzene	50	49		1	99	70-130	09/11/2012 1845
1,1,1-Trichloroethane	50	46		1	91	70-130	09/11/2012 1845
1,1,2-Trichloroethane	50	51		1	102	70-130	09/11/2012 1845

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ93092-002
Batch: 93092
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	97	70-130	09/11/2012 1845
Trichlorofluoromethane	50	45		1	89	60-140	09/11/2012 1845
Vinyl chloride	50	45		1	90	60-140	09/11/2012 1845
Xylenes (total)	100	99		1	99	70-130	09/11/2012 1845

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ93092-003
Batch: 93092
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	90		1	90	0.71	46-153	20	09/11/2012 1907
Benzene	50	49		1	98	1.4	70-130	20	09/11/2012 1907
Bromodichloromethane	50	46		1	93	1.1	70-130	20	09/11/2012 1907
Bromoform	50	42		1	85	0.75	70-130	20	09/11/2012 1907
Bromomethane (Methyl bromide)	50	49		1	97	4.3	60-140	20	09/11/2012 1907
2-Butanone (MEK)	100	97		1	97	1.9	60-140	20	09/11/2012 1907
Carbon disulfide	50	45		1	91	4.7	60-140	20	09/11/2012 1907
Carbon tetrachloride	50	44		1	88	4.2	70-130	20	09/11/2012 1907
Chlorobenzene	50	49		1	99	0.72	70-130	20	09/11/2012 1907
Chloroethane	50	47		1	95	4.2	42-163	20	09/11/2012 1907
Chloroform	50	45		1	90	0.63	70-130	20	09/11/2012 1907
Chloromethane (Methyl chloride)	50	50		1	100	4.5	20-158	20	09/11/2012 1907
Cyclohexane	50	51		1	101	4.6	70-130	20	09/11/2012 1907
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	2.5	70-130	20	09/11/2012 1907
Dibromochloromethane	50	49		1	98	0.080	70-130	20	09/11/2012 1907
1,2-Dibromoethane (EDB)	50	53		1	106	0.43	70-130	20	09/11/2012 1907
1,2-Dichlorobenzene	50	50		1	100	0.67	70-130	20	09/11/2012 1907
1,4-Dichlorobenzene	50	49		1	97	1.3	70-130	20	09/11/2012 1907
1,3-Dichlorobenzene	50	51		1	101	0.74	70-130	20	09/11/2012 1907
Dichlorodifluoromethane	50	48		1	96	4.2	60-140	20	09/11/2012 1907
1,2-Dichloroethane	50	44		1	87	1.5	70-130	20	09/11/2012 1907
1,1-Dichloroethane	50	47		1	94	0.73	70-130	20	09/11/2012 1907
trans-1,2-Dichloroethene	50	49		1	98	1.5	70-130	20	09/11/2012 1907
cis-1,2-Dichloroethene	50	49		1	97	2.6	70-130	20	09/11/2012 1907
1,1-Dichloroethene	50	53		1	106	4.5	70-130	20	09/11/2012 1907
1,2-Dichloropropane	50	48		1	96	1.3	70-130	20	09/11/2012 1907
trans-1,3-Dichloropropene	50	47		1	95	3.6	70-130	20	09/11/2012 1907
cis-1,3-Dichloropropene	50	49		1	99	2.0	70-130	20	09/11/2012 1907
Ethylbenzene	50	50		1	101	0.62	70-130	20	09/11/2012 1907
2-Hexanone	100	110		1	115	3.1	60-140	20	09/11/2012 1907
Isopropylbenzene	50	53		1	106	1.7	70-130	20	09/11/2012 1907
Methyl acetate	50	39		1	78	0.70	15-128	20	09/11/2012 1907
Methyl tertiary butyl ether (MTBE)	50	50		1	100	1.3	70-130	20	09/11/2012 1907
4-Methyl-2-pentanone	100	110		1	110	0.33	60-140	20	09/11/2012 1907
Methylcyclohexane	50	55		1	110	1.8	70-130	20	09/11/2012 1907
Methylene chloride	50	46		1	92	2.1	70-130	20	09/11/2012 1907
Styrene	50	53		1	107	1.2	70-130	20	09/11/2012 1907
1,1,2,2-Tetrachloroethane	50	53		1	106	0.18	70-130	20	09/11/2012 1907
Tetrachloroethene	50	52		1	104	0.84	70-130	20	09/11/2012 1907
Toluene	50	46		1	92	0.71	70-130	20	09/11/2012 1907
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	99	3.8	70-130	20	09/11/2012 1907
1,2,4-Trichlorobenzene	50	49		1	98	0.89	70-130	20	09/11/2012 1907
1,1,1-Trichloroethane	50	45		1	91	0.27	70-130	20	09/11/2012 1907
1,1,2-Trichloroethane	50	50		1	99	2.4	70-130	20	09/11/2012 1907

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ93092-003
Batch: 93092
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	2.7	70-130	20	09/11/2012 1907
Trichlorofluoromethane	50	47		1	94	5.5	60-140	20	09/11/2012 1907
Vinyl chloride	50	48		1	97	7.5	60-140	20	09/11/2012 1907
Xylenes (total)	100	99		1	99	0.43	70-130	20	09/11/2012 1907

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ92818-001
Batch: 92818
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 09/06/2012 1347

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	0.20	mg/L	09/06/2012 1922
Arsenic	ND		1	0.010	mg/L	09/06/2012 1922
Barium	ND		1	0.025	mg/L	09/06/2012 1922
Cadmium	ND		1	0.0020	mg/L	09/06/2012 1922
Chromium	ND		1	0.0050	mg/L	09/06/2012 1922
Copper	ND		1	0.0050	mg/L	09/06/2012 1922
Iron	ND		1	0.10	mg/L	09/06/2012 1922
Lead	ND		1	0.010	mg/L	09/06/2012 1922
Magnesium	ND		1	5.0	mg/L	09/06/2012 1922
Manganese	ND		1	0.015	mg/L	09/06/2012 1922
Nickel	ND		1	0.040	mg/L	09/06/2012 1922
Silver	ND		1	0.0050	mg/L	09/06/2012 1922
Zinc	ND		1	0.020	mg/L	09/06/2012 1922

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ92818-002
Batch: 92818
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 09/06/2012 1347

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	20	20		1	98	80-120	09/06/2012 1926
Arsenic	0.40	0.39		1	96	80-120	09/06/2012 1926
Barium	2.0	1.9		1	97	80-120	09/06/2012 1926
Cadmium	0.40	0.41		1	102	80-120	09/06/2012 1926
Chromium	2.0	2.1		1	104	80-120	09/06/2012 1926
Copper	2.0	1.9		1	96	80-120	09/06/2012 1926
Iron	20	21		1	103	80-120	09/06/2012 1926
Lead	0.40	0.40		1	99	80-120	09/06/2012 1926
Magnesium	40	40		1	100	80-120	09/06/2012 1926
Manganese	2.0	2.1		1	105	80-120	09/06/2012 1926
Nickel	2.0	2.0		1	101	80-120	09/06/2012 1926
Silver	0.40	0.40		1	101	80-120	09/06/2012 1926
Zinc	2.0	2.1		1	103	80-120	09/06/2012 1926

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ92818-003
Batch: 92818
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 09/06/2012 1347

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	20	20		1	98	0.55	80-120	20	09/06/2012 1930
Arsenic	0.40	0.39		1	98	1.5	80-120	20	09/06/2012 1930
Barium	2.0	2.0		1	99	1.9	80-120	20	09/06/2012 1930
Cadmium	0.40	0.40		1	100	1.4	80-120	20	09/06/2012 1930
Chromium	2.0	2.1		1	104	0.089	80-120	20	09/06/2012 1930
Copper	2.0	1.9		1	96	0.17	80-120	20	09/06/2012 1930
Iron	20	20		1	102	0.75	80-120	20	09/06/2012 1930
Lead	0.40	0.40		1	101	1.8	80-120	20	09/06/2012 1930
Magnesium	40	40		1	100	0.38	80-120	20	09/06/2012 1930
Manganese	2.0	2.1		1	105	0.51	80-120	20	09/06/2012 1930
Nickel	2.0	2.0		1	100	0.58	80-120	20	09/06/2012 1930
Silver	0.40	0.40		1	99	1.4	80-120	20	09/06/2012 1930
Zinc	2.0	2.1		1	103	0.52	80-120	20	09/06/2012 1930

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MB

Sample ID: NQ92786-001
Batch: 92786
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/06/2012 909

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	09/06/2012 1328

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCS

Sample ID: NQ92786-002
Batch: 92786
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/06/2012 909

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0020		1	101	85-115	09/06/2012 1336

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - LCSD

Sample ID: NQ92786-003
Batch: 92786
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/06/2012 909

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0020		1	98	3.5	85-115	20	09/06/2012 1338

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MS

Sample ID: NH31012-002MS
Batch: 92786
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/06/2012 909

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0020		1	100	85-115	09/06/2012 1352

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MSD

Sample ID: NH31012-002MD
Batch: 92786
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/06/2012 909

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	ND	0.0020	0.0020		1	100	0.00	85-115	20	09/06/2012 1355

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TAL Metals - MS

Sample ID: NH31012-003MS
Batch: 92786
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 09/06/2012 909

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0020		1	98	85-115	09/06/2012 1408

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 11288

Client: NCDENR-DWM	Report to Contact: Vincent Antrilli	Sampler (Printed Name): Vincent Antrilli	Quote No.
Address: 217 W. Jones St	Telephone No. / Fax No. / Email: 919-707-8353	Waybill No.	Page 1 of 1
City: Raleigh; State: NC; Zip Code: 27603	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Frances Brown Res / VFW Rd			
Project Number	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs	1,4 Dioxane 8270	Metals										Remarks / Cooler ID
Number of Containers									11	11	2										
Bottle (See Instructions on back)									A	A	D										
Preservative									5	5	4										
Lot No.																					N/t 310 12
Trip Blank	8-30-12								2	2	—										
VFW-18	↓	10:10		✓					3	3	1										
FB-11	↓	11:20		✓					3	3	1										
FB-5	↓	12:00		✓					3	3	—										

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Vincent Antrilli Jr	8-30-12	3:00 pm	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FEDEX	8-31-12	12N	4. Laboratory Received by	8/31/12	12N

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. 2.9 °C
Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 9

Page 1 of 1
Replaces Date: 05/06/11
Effective Date: 10/11/11

Sample Receipt Checklist (SRC)

Client: NCDENR Cooler Inspected by/date: bv 8/31/12 Lot #: NH3 1012

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐		2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt 2.9 °C / °C / °C / °C
Method: ☑ Temperature Blank ☐ Against Bottles
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed?
Yes ☑	No ☐		7. Was collection date & time listed?
Yes ☑	No ☐		8. Were tests to be performed listed on the COC?
Yes ☑	No ☐		9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐		11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		12. Was adequate sample volume available?
Yes ☑	No ☐		13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		14. Were any samples containers missing?
Yes ☐	No ☑		15. Were there any excess samples not listed on COC?
Yes ☑	No ☐	NA ☐	16. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) with the SR # (number) _____.

Sample(s) -001 (2) were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐
SESI employee: _____ Date of response: _____
Comments: _____

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 2, 2012

Henry & Ollie Pettigrew
162 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
154 & 162 VFW Rd – Well ID VFW-1 & VFW-2
Reidsville, NC 27320

Dear Mr. or Ms. Pettigrew:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 27, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-002**
Description: **VFW-1**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1205**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2020	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-002**
Description: **VFW-1**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1205**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1415	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-002**
Description: **VFW-1**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1205**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1415	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-003**
Description: **VFW-2**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1235**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2041	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-003**
Description: **VFW-2**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1235**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1436	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-003**
Description: **VFW-2**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1235**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1436	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Willie & Frances Marie Law
144 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
144 VFW Rd – Well ID # VFW-3

Dear Mr. & Mrs. Law:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 28, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
144 VFW Rd. (VFW-3)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. None of the detected contaminants exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well should not be used for drinking and cooking. The water from this well can be used for all other purposes above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)	Calculated Health-based Concentration (µg/L)
NB28016-004	Copper	71	1,300	**	**
	Iron	4,000	*	*	2,500
	Barium	42	2,000	**	**
	Manganese	65	*	*	200
	Zinc	150	*	1,000	**
	Magnesium	8,700	***	***	***

*Not Available
** Not Applicable
*** Essential Nutrient
µg/L= Micrograms of contaminant per liter of water.
Shaded area indicates exceedance.

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2102	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	03/12/2012 2145	DD		79986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	2
Benzene	71-43-2	8260B	ND		0.50	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	2
Bromoform	75-25-2	8260B	ND		0.50	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	2
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	2
Chloroform	67-66-3	8260B	ND		0.50	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	2
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	ug/L	2
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	2
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	2
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	2
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	2
Styrene	100-42-5	8260B	ND		0.50	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	2
Toluene	108-88-3	8260B	ND		0.50	ug/L	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	2

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	03/12/2012 2145	DD		79986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		128	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
* = Reportable result (only when report all runs)
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1131	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.1	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.1	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.1	ug/L	1
Anthracene	120-12-7	8270D	ND		5.1	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.1	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.1	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.1	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.1	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.1	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.1	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.1	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.1	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.1	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.1	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.1	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.1	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.1	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		5.1	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.1	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.1	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.1	ug/L	1
Chrysene	218-01-9	8270D	ND		5.1	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.1	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.1	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.1	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.1	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.1	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.1	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.1	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.1	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.1	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.1	ug/L	1
Fluorene	86-73-7	8270D	ND		5.1	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.1	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.1	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1131	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.1	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.1	ug/L	1
Isophorone	78-59-1	8270D	ND		5.1	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.1	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.1	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.1	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.1	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.1	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.1	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.1	ug/L	1
Phenol	108-95-2	8270D	ND		5.1	ug/L	1
Pyrene	129-00-0	8270D	ND		5.1	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.1	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.1	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		86	41-144
2-Fluorobiphenyl		83	37-129
2-Fluorophenol		84	24-127
Nitrobenzene-d5		87	38-127
Phenol-d5		87	28-128
Terphenyl-d14		84	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	03/05/2012 2101	NCM	02/29/2012 2345	79041

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.026	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		61	20-131
Tetrachloro-m-xylene		86	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-004**
Description: **VFW-3**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1305**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	03/02/2012 2328	COH	03/02/2012 1807	79237
1	3005A	6010C	1	03/02/2012 2352	KJC	03/01/2012 1903	79143

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.042**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.071**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010C**	**4.0**		**0.10**	**mg/L**	**1**
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	**7439-95-4**	**6010C**	**8.7**		**5.0**	**mg/L**	**1**
Manganese	**7439-96-5**	**6010C**	**0.065**		**0.015**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	**7440-66-6**	**6010C**	**0.15**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Charles Setliff
184 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
184 VFW Rd – Well ID # VFW-4

Dear Mr. Setliff:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
184 VFW Rd. (VFW-4)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. 1,1-dichloroethene was detected at a concentration that did not exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health- based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-005	1,1-Dichloroethene	1.5	7	**	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-005**
Description: **VFW-4**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1425**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2123	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-005**
Description: **VFW-4**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1425**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1457	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**1.5**		**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-005**
Description: **VFW-4**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1425**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1457	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Allen Blackwell
212 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
212 VFW Rd – Well ID # VFW-5

Dear Mr. Blackwell:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 27, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
212 VFW Rd. (VFW-5)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. None of the detected contaminants exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-006	Copper	75	1,300	**	**
	Magnesium	9,800	***	***	***
	1,1-Dichloroethene	0.55	7	**	**

*Not Available
** Not Applicable
***Magnesium is an essential nutrient.
μg/L= Micrograms of contaminant per liter of water.

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2144	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		134	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1519	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**0.55**		**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1519	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/16/2012 1613	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.3	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.3	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.3	ug/L	1
Anthracene	120-12-7	8270D	ND		5.3	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.3	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		26	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.3	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.3	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.3	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.3	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.3	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.3	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.3	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		11	ug/L	1
Caprolactam	105-60-2	8270D	ND		26	ug/L	1
Carbazole	86-74-8	8270D	ND		5.3	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.3	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.3	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.3	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.3	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		5.3	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.3	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.3	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.3	ug/L	1
Chrysene	218-01-9	8270D	ND		5.3	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.3	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.3	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.3	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.3	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		26	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.3	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.3	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.3	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.3	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		26	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		26	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		11	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		11	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.3	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.3	ug/L	1
Fluorene	86-73-7	8270D	ND		5.3	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.3	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.3	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		26	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/16/2012 1613	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.3	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.3	ug/L	1
Isophorone	78-59-1	8270D	ND		5.3	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.3	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.3	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		11	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.3	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.3	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.3	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		11	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		11	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		11	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.3	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		11	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		26	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		26	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.3	ug/L	1
Phenol	108-95-2	8270D	ND		5.3	ug/L	1
Pyrene	129-00-0	8270D	ND		5.3	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.3	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.3	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		102	41-144
2-Fluorobiphenyl		97	37-129
2-Fluorophenol		87	24-127
Nitrobenzene-d5		89	38-127
Phenol-d5		93	28-128
Terphenyl-d14		90	10-148

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N = Recovery is out of criteria
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Organochlorine Pesticides by GC

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	03/05/2012 2159	NCM	02/29/2012 2345	79041

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081B	ND		0.026	ug/L	1
Endosulfan I	959-98-8	8081B	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	20-131
Tetrachloro-m-xylene		83	26-132

PQL = Practical quantitation limit
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H = Out of holding time
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-006**
Description: **VFW-5**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1445**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	03/02/2012 2331	COH	03/02/2012 1807	79237
1	3005A	6010C	1	03/02/2012 2358	KJC	03/01/2012 1903	79143

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.075**		**0.0050**	**mg/L**	**1**
Iron	7439-89-6	6010C	ND		0.10	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	**7439-95-4**	**6010C**	**9.8**		**5.0**	**mg/L**	**1**
Manganese	7439-96-5	6010C	ND		0.015	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

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ND = Not detected at or above the PQL
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 2, 2012

Kevin & Regina Harrison
224 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
224 VFW Rd – Well ID VFW-6
Reidsville, NC 27320

Dear Mr. or Ms. Harrison:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 27, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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One North Carolina Naturally

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-007**
Description: **VFW-6**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1525**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 2205	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	40-170

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-007**
Description: **VFW-6**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1525**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1540	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB28016-007**
Description: **VFW-6**
Matrix: **Aqueous**
Date Sampled: **02/27/2012 1525**
Date Received: **02/28/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2012 1540	AAC		79743

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

George & Jean Stephens
246 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
246 VFW Rd – Well ID # VFW-7

Dear Mr. & Mrs. Stephens:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
246 VFW Rd. (VFW-7)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 28, 2012. Methyl tertiary butyl ether was detected at a concentration that did not exceed applicable standards The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or, health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB29018-002	Methyl tertiary butyl ether	0.89	*	20	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-002**
Description: **VFW-7**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1000**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/08/2012 1959	JJG		79735

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-002**
Description: **VFW-7**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1000**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1758	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	**1634-04-4**	**8260B**	**0.89**		**0.50**	**ug/L**	**1**
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-002**
Description: **VFW-7**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1000**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1758	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		129	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 2, 2012

Lorraine French
272 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
272 VFW Rd – Well ID VFW-8
Reidsville, NC 27320

Dear Ms. French:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-003**
Description: **VFW-8**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1030**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0739	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	185	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-003**
Description: **VFW-8**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1030**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1820	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-003**
Description: **VFW-8**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1030**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1820	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		126	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 2, 2012

Kevin Dougherty
308 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
308 VFW Rd – Well ID VFW-9
Reidsville, NC 27320

Dear Mr. Dougherty:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-004**
Description: **VFW-9**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1105**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0800	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		132	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-004**
Description: **VFW-9**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1105**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1842	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-004**
Description: **VFW-9**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1105**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1842	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		127	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Shirley Rickman L/E
322 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
322 VFW Rd – Well ID VFW-10
Reidsville, NC 27320

Dear Ms. Rickman:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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One North Carolina Naturally

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-005**
Description: **VFW-10**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1135**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0821	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		125	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-005**
Description: **VFW-10**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1135**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1904	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-005**
Description: **VFW-10**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1135**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1904	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Clyde Cook
328 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
328 VFW Rd – Well ID # VFW-11

Dear Mr. Cook:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

Pursuant to the recommendations from the state toxicologist, we would like to provide you bottled water for your household use. The bottled water will be provided at no cost to you. Due to the nature of the contamination we will resample your well to confirm the detection of Dieldrin. In the event that the detection is confirmed we will contact you regarding a permanent alternate water solution by either connection to public water or filter system if connection to public water is not feasible. Please contact me at the information below to provide your phone number so we may have our bottled water contractor contact you to arrange delivery. If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 30, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
328 VFW Rd. (VFW-11)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. Dieldrin concentrations in the sample exceeded applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well should not be used for cooking, drinking and all other uses described above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)	Calculated Health-based Concentration (µg/L)
NB28018-006	Dieldrin	0.094	*	0.002	**
	Copper	64	1,300	**	**
	Magnesium	6,200	***	***	***
	Zinc	150	*	1,000	**

*Not Available
** Not Applicable
***Magnesium is an essential nutrient.
µg/L= Micrograms of contaminant per liter of water.
Shaded area indicates exceedance of applicable standards

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-006**
Description: **VFW-11**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	03/12/2012 0843	DLB		79939

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-006**
Description: **VFW-11**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1926	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-006**
Description: **VFW-11**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1926	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		129	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-006**
Description: **VFW-11**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1311	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.4	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.4	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.4	ug/L	1
Anthracene	120-12-7	8270D	ND		5.4	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.4	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		27	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.4	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.4	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.4	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.4	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.4	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.4	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.4	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		11	ug/L	1
Caprolactam	105-60-2	8270D	ND		27	ug/L	1
Carbazole	86-74-8	8270D	ND		5.4	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.4	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.4	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.4	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.4	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270D	ND		5.4	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.4	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.4	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.4	ug/L	1
Chrysene	218-01-9	8270D	ND		5.4	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.4	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.4	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.4	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.4	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		27	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.4	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.4	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.4	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.4	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		27	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		27	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		11	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		11	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.4	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.4	ug/L	1
Fluorene	86-73-7	8270D	ND		5.4	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.4	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.4	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		27	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Semivolatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-006**
Description: **VFW-11**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/13/2012 1311	WD	03/01/2012 2210	79139

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.4	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.4	ug/L	1
Isophorone	78-59-1	8270D	ND		5.4	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.4	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.4	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		11	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.4	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.4	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.4	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		11	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		11	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		11	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.4	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		11	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		27	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		27	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.4	ug/L	1
Phenol	108-95-2	8270D	ND		5.4	ug/L	1
Pyrene	129-00-0	8270D	ND		5.4	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.4	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.4	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		97	41-144
2-Fluorobiphenyl		98	37-129
2-Fluorophenol		94	24-127
Nitrobenzene-d5		96	38-127
Phenol-d5		94	28-128
Terphenyl-d14		100	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Organochlorine Pesticides by GC

Client: **NCDENR - DWM - DSCA**
Description: **VFW-11**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Laboratory ID: **NB29018-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081B	1	03/24/2012 2316	NCM	02/29/2012 2345	79041

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081B	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081B	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081B	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081B	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081B	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081B	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081B	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081B	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081B	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081B	ND		0.026	ug/L	1
Dieldrin	**60-57-1**	**8081B**	**0.094**		**0.026**	**ug/L**	**1**
Endosulfan I	959-98-8	8081B	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081B	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081B	ND		0.026	ug/L	1
Endrin	72-20-8	8081B	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081B	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081B	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081B	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081B	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081B	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081B	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	20-131
Tetrachloro-m-xylene		97	26-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-006**
Description: **VFW-11**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1205**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	03/02/2012 2348	COH	03/02/2012 1807	79237
1	3005A	6010C	1	03/03/2012 0005	KJC	03/01/2012 1903	79143

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	7429-90-5	6010C	ND		0.20	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.064**		**0.0050**	**mg/L**	**1**
Iron	7439-89-6	6010C	ND		0.10	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Magnesium	**7439-95-4**	**6010C**	**6.2**		**5.0**	**mg/L**	**1**
Manganese	7439-96-5	6010C	ND		0.015	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Zinc	**7440-66-6**	**6010C**	**0.15**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Stephen & Cheryl Bunton
327 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
327 VFW Rd – Well ID VFW-12
Reidsville, NC 27320

Dear Mr. & Mrs. Bunton:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-007**
Description: **VFW-12**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1410**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2240	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		137	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-007**
Description: **VFW-12**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1410**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1948	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-007**
Description: **VFW-12**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1410**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 1948	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		127	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Wilbert & Frances Jones
287 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
287 VFW Rd – Well ID # VFW-13

Dear Mr. & Mrs. Stephens:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
287 VFW Rd. (VFW-13)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 28, 2012. Methyl tertiary butyl ether was detected at a concentration that did not exceed applicable standards The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or, health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-008	Chloroform	3.2	80	**	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-008**
Description: **VFW-13**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1435**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2301	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-008**
Description: **VFW-13**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1435**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2010	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	**67-66-3**	**8260B**	**3.2**		**0.50**	**ug/L**	**1**
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-008**
Description: **VFW-13**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1435**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2010	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	131	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Frances Marie Law
144 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
171 VFW Rd – Well ID # VFW-14

Dear Mrs. Law:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
171 VFW Rd. (VFW-14)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 28, 2012. 1,1-dichloroethene was detected at a concentration that did not exceed applicable standards The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB29018-009	1,1-Dichloroethene	2.9	7	**	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-009**
Description: **VFW-14**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1505**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2322	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		130	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-009**
Description: **VFW-14**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1505**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2032	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260B**	**2.9**		**0.50**	**ug/L**	**1**
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-009**
Description: **VFW-14**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1505**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2032	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	131	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Geraldine Evans
147 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
147 VFW Rd – Well ID VFW-15
Reidsville, NC 27320

Dear Ms. Evans:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-010**
Description: **VFW-15**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1530**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/11/2012 2343	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-010**
Description: **VFW-15**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1530**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2054	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-010**
Description: **VFW-15**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1530**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2054	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		128	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

April 4, 2012

Michael Brewer
133 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
133 VFW Rd – Well ID VFW-16
Reidsville, NC 27320

Dear Mr. Brewer:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-011**
Description: **VFW-16**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1555**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	03/12/2012 0003	JJG		79897

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	40-170

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **NB29018-011**
Description: **VFW-16**
Matrix: **Aqueous**
Date Sampled: **02/28/2012 1555**
Date Received: **02/29/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2116	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **VFW-16**
Date Sampled: **02/28/2012 1555**
Date Received: **02/29/2012**

Laboratory ID: **NB29018-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/10/2012 2116	DD		79876

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	132	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
* = Reportable result (only when report all runs)

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Frances Marie Law
144 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
171 VFW Rd – Well ID # VFW-14

Dear Mrs. Law:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on April 16, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Charles Setliff
184 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
184 VFW Rd – Well ID # VFW-4

Dear Mr. Setliff:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on April 16, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Allen Blackwell
212 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
212 VFW Rd – Well ID # VFW-5

Dear Mr. Blackwell:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on April 16, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Charlie & Mary Redd
215 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
215 VFW Rd – Well ID # VFW-17

Dear Mr. & Mrs. Redd:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on April 16, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Shirley Rickman L/E
160 Pennington Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
322 VFW Rd – Well ID VFW-10
Reidsville, NC 27320

Dear Ms. Rickman:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on April 16, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

Pursuant to the recommendations from the state toxicologist, we would like to provide you bottled water for your household use. The bottled water will be provided at no cost to you. Due to the nature of the contamination it is important that you stop using the well water for drinking, cooking, and all other household uses. We will provide you with bottled water until we can arrange for a permanent alternate water solution by either connection to public water or filter system if connection to public water is not feasible. Please contact me at the information below to provide your phone number so we may have our bottled water contractor contact you to arrange delivery. If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Clyde Cook
328 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results – VFW Rd (NONCD000xxxx)
328 VFW Rd – Well ID # VFW-11

Dear Mr. Cook:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on April 16, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because VOCs were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and/or future tenants of your property of the contamination detected in your well.

Pursuant to the recommendations from the state toxicologist, we would like to provide you bottled water for your household use. The bottled water will be provided at no cost to you. Due to the nature of the contamination it is important that you stop using the well water for drinking, cooking, and all other household uses. We will provide you with bottled water until we can arrange for a permanent alternate water solution by either connection to public water or filter system if connection to public water is not feasible. Please contact me at the information below to provide your phone number so we may have our bottled water contractor contact you to arrange delivery. If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

Kevin Dougherty
308 VFW Rd
Reidsville, NC 27320

RE: Water Supply Well Sampling Results
308 VFW Rd – Well ID VFW-9
Reidsville, NC 27320

Dear Mr. Dougherty:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on February 28, 2012. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water is considered safe and should not result in any adverse health effects.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm

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March 21, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **144 VFW Rd (Well ID VFW-3**). This sample was collected on **February 27, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB28016-004	Copper	71	1000	1000
	Iron	4000	300	300
	Barium	42	700	2000
	Manganese	85	50	50
	Zinc	150	1000	5000
	Magnesium	8700		

If you have any questions, please contact me at 707-8353.

Attachment

March 29, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **171 VFW Rd (Well ID VFW-14**). This sample was collected on **February 28, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB29018-009	1,1-Dichloroethene	2.9	7	7

If you have any questions, please contact me at 707-8353.

Attachment

March 21, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **184 VFW Rd (Well ID VFW-4**). This sample was collected on **February 27, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB28016-005	1,1-Dichlorothene	1.5	7	7

If you have any questions, please contact me at 707-8353.

Attachment

March 21, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **212 VFW Rd (Well ID VFW-5**). This sample was collected on **February 27, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB28016-005	Copper	75	1000	1000
	Magnesium	9800		
	1,1-Dichlorothene	0.55	7	7

If you have any questions, please contact me at 707-8353.

Attachment

March 29, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **246 VFW Rd (Well ID VFW-7**). This sample was collected on **February 28, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB29018-002	Methyl tertiary butyl ether (MTBE)	0.89	--	20

If you have any questions, please contact me at 707-8353.

Attachment

March 29, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **287 VFW Rd (Well ID VFW-13**). This sample was collected on **February 28, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB29018-008	Chloroform	3.2	80	70

If you have any questions, please contact me at 707-8353.

Attachment

March 29, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **328 VFW Rd (Well ID VFW-11**). This sample was collected on **February 28, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NB29018-006	Dieldrin	0.094	--	0.002
	Copper	64	1000	1000
	Magnesium	6200		
	Zinc	150	5000	1000

If you have any questions, please contact me at 707-8353.

Attachment

May 7, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **171 VFW Rd (Well ID VFW-14**). This sample was collected on **April 16, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
ND17010-009	1,1-Dichloroethene	4.5	7	7
	1,1,1-Trichloroethane	0.36	200	200

If you have any questions, please contact me at 707-8353.

Attachment

May 7, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **184 VFW Rd (Well ID VFW-4**). This sample was collected on **April 16, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
ND17010-006	1,1-Dichloroethene	1.7	7	7

If you have any questions, please contact me at 707-8353.

Attachment

May 7, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **212 VFW Rd (Well ID VFW-5**). This sample was collected on **April 16, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
ND17010-007	1,1-Dichloroethene	0.72	7	7

If you have any questions, please contact me at 707-8353.

Attachment

May 7, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **215 VFW Rd (Well ID VFW-17**). This sample was collected on **April 16, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
ND17010-005	Arsenic	4.7	10	10
	Barium	28	2000	700
	Chromium	2.2	100	10
	Copper	180	1000	1000
	Lead	7.8	15	15
	Magnesium	4000		
	Nickel	19	100	100
	Silver	1.8	100	20
	Zinc	160	5000	1000

If you have any questions, please contact me at 707-8353.

Attachment

May 7, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **322 VFW Rd (Well ID VFW-10**). This sample was collected on **April 16, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
ND17010-003	Dieldrin	0.63	--	0.002
	Endosulfan II	0.0037		40
	Endrin	0.0087	2	2
	Endrin ketone	0.0043	2	2
	Alpha-Chlordane	0.0021		

If you have any questions, please contact me at 707-8353.

Attachment

May 7, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
Reidsville, Rockingham County
NONCD 000 xxxx

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected from a water supply well located at **328 VFW Rd (Well ID VFW-11**). This sample was collected on **April 16, 2012**. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
ND17010-002	Dieldrin	0.26	--	0.002
	Endosulfan II	0.0037		40
	Endrin	0.0040	2	2
	Endrin ketone	0.0022	2	2
	Methoxychlor	0.0053	40	40

If you have any questions, please contact me at 707-8353.

Attachment

September 24, 2012

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
VFW Rd Site
227 VFW Rd
Reidsville, Rockingham County
NONCD 000 pending

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected on August 30, 2012. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations. Based on other samples collected in the area it appears that these along with other metals are naturally occurring in this area.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
NH31012-002	Copper	44	1000	1000
	Iron	4900	300	300
	Zinc	44	5000	1000

If you have any questions, please contact me at 707-8353.

Attachment

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
171 VFW Rd. (VFW-14)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 28, 2012. 1,1-dichloroethene was detected at a concentration that did not exceed applicable standards The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB29018-009	1,1-Dichloroethene	2.9	7	**	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
184 VFW Rd. (VFW-4)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. 1,1-dichloroethene was detected at a concentration that did not exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health- based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-005	1,1-Dichloroethene	1.5	7	**	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
212 VFW Rd. (VFW-5)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. None of the detected contaminants exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-006	Copper	75	1,300	**	**
	Magnesium	9,800	***	***	***
	1,1-Dichloroethene	0.55	7	**	**

*Not Available
** Not Applicable
***Magnesium is an essential nutrient.
μg/L= Micrograms of contaminant per liter of water.

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
246 VFW Rd. (VFW-7)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 28, 2012. Methyl tertiary butyl ether was detected at a concentration that did not exceed applicable standards The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or, health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB29018-002	Methyl tertiary butyl ether	0.89	*	20	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
287 VFW Rd. (VFW-13)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 28, 2012. Methyl tertiary butyl ether was detected at a concentration that did not exceed applicable standards The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or, health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-008	Chloroform	3.2	80	**	**

** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

March 29, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
328 VFW Rd. (VFW-11)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. Dieldrin concentrations in the sample exceeded applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well should not be used for cooking, drinking and all other uses described above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28018-006	Dieldrin	0.094	*	0.002	**
	Copper	64	1,300	**	**
	Magnesium	6,200	***	***	***
	Zinc	150	7	**	**

*Not Available
** Not Applicable
***Magnesium is an essential nutrient.
μg/L= Micrograms of contaminant per liter of water.
Shaded area indicates exceedance of applicable standards

March 28, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
144 VFW Rd. (VFW-3)
Kings Mountain, Gaston County
NONCD 000 XXXX

A water sample was collected from the subject well on February 27, 2012. None of the detected contaminants exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
NB28016-004	Copper	71	1,300	**	**
	Iron	4,000	*	*	2,500
	Barium	42	2,000	**	**
	Manganese	65	*	*	200
	Zinc	150	*	1,000	**
	Magneseum	8,700	***	***	***

*Not Available
** Not Applicable
*** Essential Nutrient
μg/L= Micrograms of contaminant per liter of water.

Shaded area indicates exceedance.

May 16, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
171 VFW Rd. (VFW-14)
Reidsville, Rockingham County

A water sample was collected from the subject well on April 16, 2012. None of the contaminants detected exceeded applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
ND17010-009	1,1-Dichloroethene	4.5 J	7	**	**
	1,1,1-Trichloroethane	0.36 J	200	**	**

J – Estimated Concentration
** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

May 16, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
184 VFW Rd. (VFW-4)
Reidsville, Rockingham County

A water sample was collected from the subject well on April 16, 2012. 1,1-dichloroethene was detected at a concentration that did not exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health- based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
ND17010-006	1,1-Dichloroethene	1.7 J	7	**	**

J – Estimated Concentration
** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

May 16, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
212 VFW Rd. (VFW-5)
Reidsville, Rockingham County

A water sample was collected from the subject well on April 16,2012. 1,1-Dichloroethene was detected at a concentration that did not exceed its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Contaminant	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration (μg/L)
ND17010-007	1,1-Dichloroethene	0.72 J	7	**	**

J- Estimated Concentration
** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

May 16, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
215 VFW Rd. (VFW-17)
Reidsville, Gaston County

A water sample was collected from the subject well on April 16, 2012. None of the contaminants detected exceeded applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL or health- based North Carolina 2L available a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Compound	Concentration (ug/L)	US EPA MCL (ug/L)	NC 2L (ug/L)	Health-based Concentration (ug/l)
ND17010-005	Arsenic	4.7	10	**	**
	Barium	28	2000	**	**
	Chromium	2.2 B J	100	**	**
	Copper	180	1300	**	**
	Lead	7.8 J	15	**	**
	Magnesium	4000 J	*	*	**
	Nickel	19 J	*	100	**
	Silver	1.8 BJ	*	20	**
	Zinc	160	*	1000	**

J- Estimated Concentration
B- Also detected in method blank.
*Not Available
** Not Applicable
ug/L= Micrograms of contaminant per liter of water.

May 16, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
322 VFW Rd. (VFW-10)
Reidsville, Rockingham County

A water sample was collected from the subject well on April 16, 2012. None of the detected contaminants exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well should not be used for drinking, cooking and all other uses listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Compound	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)
ND17010-004	Dieldrin	0.63	*	0.002
	Endosulfan II	0.0037 J	*	40
	Endrin	0.0087 J	2	**
	Endrin ketone	0.0043 J	2	**
	Alpha-Chlordane	0.0021 BJP	2	**

Shaded area indicates exceedance

JP – Estimated Value
B- Also detected in method blank
*Not Available
** Not Applicable
μg/L= Micrograms of contaminant per liter of water.

May 16, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
VFW Rd. Site
328VFW Rd. (VFW-11)
Reidsville, Rockingham County

A water sample was collected from the subject well on April 16, 2012. None of the detected contaminants exceed applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well should not be used for drinking, cooking and all other uses listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Well ID	Compound	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)	Calculated Health-based Concentration(μg/L)
ND17010-002	Dieldrin	0.26	*	0.002	**
	Endosulfan II	0.0037 J	*	40	**
	Endrin	0.0040 J	2	**	**
	Endrin ketone	0.0022	2	**	**
	Methoxychlor	0.0053 JP	40	**	**

Shaded area indicates exceedance
*Not Available
** Not Applicable
J-Estimated Concentration
μg/L= Micrograms of contaminant per liter of water.

September 24, 2012

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Health Risk Evaluation Request
VFW Site
227 VFW Rd.
Reidsville, Rockingham County
NONCD 000 Pending

A water sample was collected from the subject well on August 30, 2012. None of the contaminants detected exceeded applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). If there is no USEPA MCL and health- based North Carolina 2L available, a health –based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation, the water from this well can be used for drinking, cooking and all other purposes listed above. Please note the contaminants detected may be naturally occurring.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Contaminant	Concentration (ug/L)	US EPA MCL (ug/L)	NC 2L (ug/L)	Calculated Health-based Concentration(ug/L)
NH03012-003	Copper	44	1,300	**	**
	Iron	0.49	*	**	2,500
	Zinc	44	*	1,000	**

*Not Available
** Not Applicable
ug/L= Micrograms of contaminant per liter of water.
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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 8, 2012

CERTIFIED MAIL
Return Receipt Requested

Ms. Shirley Rickman
160 Pennington Rd
Reidsville, NC 27320

Re: Water Filtration System
322 VFW Rd

Dear Ms. Rickman:

Based on our records, the contamination detected in your drinking water supply well is at concentrations exceeding safe levels for human consumption. The Bernard Allen Memorial Fund ("Fund") was established to help provide alternate water sources for home owners throughout North Carolina who might otherwise not able to afford to provide alternate water for themselves in situations where the primary drinking water source well has become contaminated. Since public water service is not available or the costs to connect to the water system are not reasonable, the Fund is offering to pay for installation of a water filtration system (system). The water filtration system would be designed to remove contaminants detected in your drinking water supply well. The Fund will pay for all future testing, maintenance and costs associated with the system as long as there is sufficient money available in the fund or until public water service becomes available. The Division of Waste Management ("Division") will use its contractors to conduct this work.

Qualification for use of the Fund is required for each site. Attached you will find a Household Income Verification Affidavit to be completed and returned to our office. Upon receipt of the affidavit the Division will schedule its contractor to install the system. If you do not meet the requirements in the affidavit, please notify this office in writing and provide appropriate documentation. In the event this office receives your documentation of non-qualification, our office will evaluate whether other funds are available to pay for installation and maintenance.

You are responsible for disclosing this contamination to any purchasers of the property in accordance with the Residential Property Disclosure Act, N.C.G.S. 47E.
You will need to send a written response to our office by the 30th day following your receipt of this letter. As soon as we receive your written agreement of this offer, we can move forward with organizing and mobilizing the necessary resources to implement installation of the system at your property. Please send your written

response to my attention at the address listed in the footer of this letter. If you have any questions, concerning this issue, please contact me at ***(919) 707-8353***.

Sincerely,

Vincent Antrilli, Jr.
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 22, 2012

CERTIFIED MAIL
Return Receipt Requested

Mr. Clyde Cook
328 VFW Rd
Reidsville, NC 27320

Re: Water Filtration System
328 VFW Rd

Dear Mr. Cook:

Based on our records, the contamination detected in your drinking water supply well is at concentrations exceeding safe levels for human consumption. The Bernard Allen Memorial Fund ("Fund") was established to help provide alternate water sources for home owners throughout North Carolina who might otherwise not able to afford to provide alternate water for themselves in situations where the primary drinking water source well has become contaminated. Since public water service is not available or the costs to connect to the water system are not reasonable, the Fund is offering to pay for installation of a water filtration system (system). The water filtration system would be designed to remove contaminants detected in your drinking water supply well. The Fund will pay for all future testing, maintenance and costs associated with the system as long as there is sufficient money available in the fund or until public water service becomes available. The Division of Waste Management ("Division") will use its contractors to conduct this work.

Qualification for use of the Fund is required for each site. Attached you will find a Household Income Verification Affidavit to be completed and returned to our office. Upon receipt of the affidavit the Division will schedule its contractor to install the system. If you do not meet the requirements in the affidavit, please notify this office in writing and provide appropriate documentation. In the event this office receives your documentation of non-qualification, our office will evaluate whether other funds are available to pay for installation and maintenance.

You are responsible for disclosing this contamination to any purchasers of the property in accordance with the Residential Property Disclosure Act, N.C.G.S. 47E.
You will need to send a written response to our office by the 30th day following your receipt of this letter. As soon as we receive your written agreement of this offer, we can move forward with organizing and mobilizing the necessary resources to implement installation of the system at your property. Please send your written

response to my attention at the address listed in the footer of this letter. If you have any questions, concerning this issue, please contact me at ***(919) 707-8353***.

Sincerely,

Vincent Antrilli, Jr.
Inactive Hazardous Sites Branch
Superfund Section

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 15, 2012

Shirley Rickman
160 Pennington Rd
Reidsville, NC 27320

Re: Bernard Allen Memorial Emergency Drinking Water Fund Eligibility
VFW Rd – Site ID #pending

Dear Ms. Rickman,

We are in receipt of your affidavit regarding Household Income Verification and have determined that you ***are*** qualified to receive assistance from the Bernard Allen Memorial Emergency Drinking Water Fund. It is the policy of the Division of Waste Management to return the affidavit after review and qualification. Enclosed you will find your affidavit.

If you haven't already been contacted, you will be contacted to review the proposed action taken by the Division to provide alternate drinking water to your residence. Until then, should you have any questions, please do not hesitate to contact me at ***(919) 707-8353*** or ***Vincent.Antrilli@ncdenr.gov.***

Sincerely,

Vincent Antrilli, Jr.
Inactive Hazardous Sites Branch
Superfund Section

cc: file

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone/Fax: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm/

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One North Carolina Naturally

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

CERTIFIED MAIL

July 25, 2012

Mr. Clyde Cook
328 VFW Rd
Reidsville, NC 27320

Re: **NOTICE OF CONTAMINATION**
VFW Rd
Reidsville, NC 27320
NONCD0000pending,

Dear Mr. Cook:

As you know, contamination associated with the subject site has been detected on your property. Because you have ***refused to permit the state to install and maintain a water filtration system on your property*** this letter is being sent to you to notify you of your obligation to notify any potential purchasers and parties leasing the property of contamination detected on the property. These notification obligations include but are not limited to the North Carolina Residential Property Disclosure Act (See N.C.G.S. § 47E).

Also, under federal law (specifically the Comprehensive Environmental Responsibility, Compensation, and Liability Act) you could become responsible for cleanup of contamination if you do not disclose the contamination to a purchaser of the property. Cleanup costs can run from thousands to millions of dollars at a single site. We highly recommend you disclose for this reason. You should also avoid redevelopment of the property (construction or changing use) before a complete assessment of the contamination has been conducted. If you have additional questions about the requirements that apply to your site, please contact me at (919) 707-8353 or Vincent.Antrilli@ncdenr.gov .

Sincerely,

Vincent Antrilli, Jr.
Inactive Hazardous Sites Branch
Superfund Section

Cc: Rockingham County Health Dept

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 22, 2012

Clyde Cook
328 VFW Rd
Reidsville, NC 27320

Re: Bernard Allen Memorial Emergency Drinking Water Fund Eligibility
VFW Rd – Site ID #pending

Dear Mr. Cook,

We are in receipt of your affidavit regarding Household Income Verification and have determined that you ***are*** qualified to receive assistance from the Bernard Allen Memorial Emergency Drinking Water Fund. It is the policy of the Division of Waste Management to return the affidavit after review and qualification. Enclosed you will find your affidavit.

Please provide your phone number, email address, an/or other preferred method in which we might be able to contact you. We will then have our bottled water contractor contact you to set up a date and time so that they can begin to deliver bottled water. Also enclosed is a letter from the state offering to install a filter system. Please contact me as quickly as possible to let me know if you choose to accept the filter system. We will then begin to have it installed. Until then, should you have any questions, please do not hesitate to contact me at ***(919) 707-8353*** or ***Vincent.Antrilli@ncdenr.gov*.**

Sincerely,

Vincent Antrilli, Jr.
Inactive Hazardous Sites Branch
Superfund Section

cc: file

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone/Fax: 919-707-8200 \ Internet: http://portal.ncdenr.org/web/wm/

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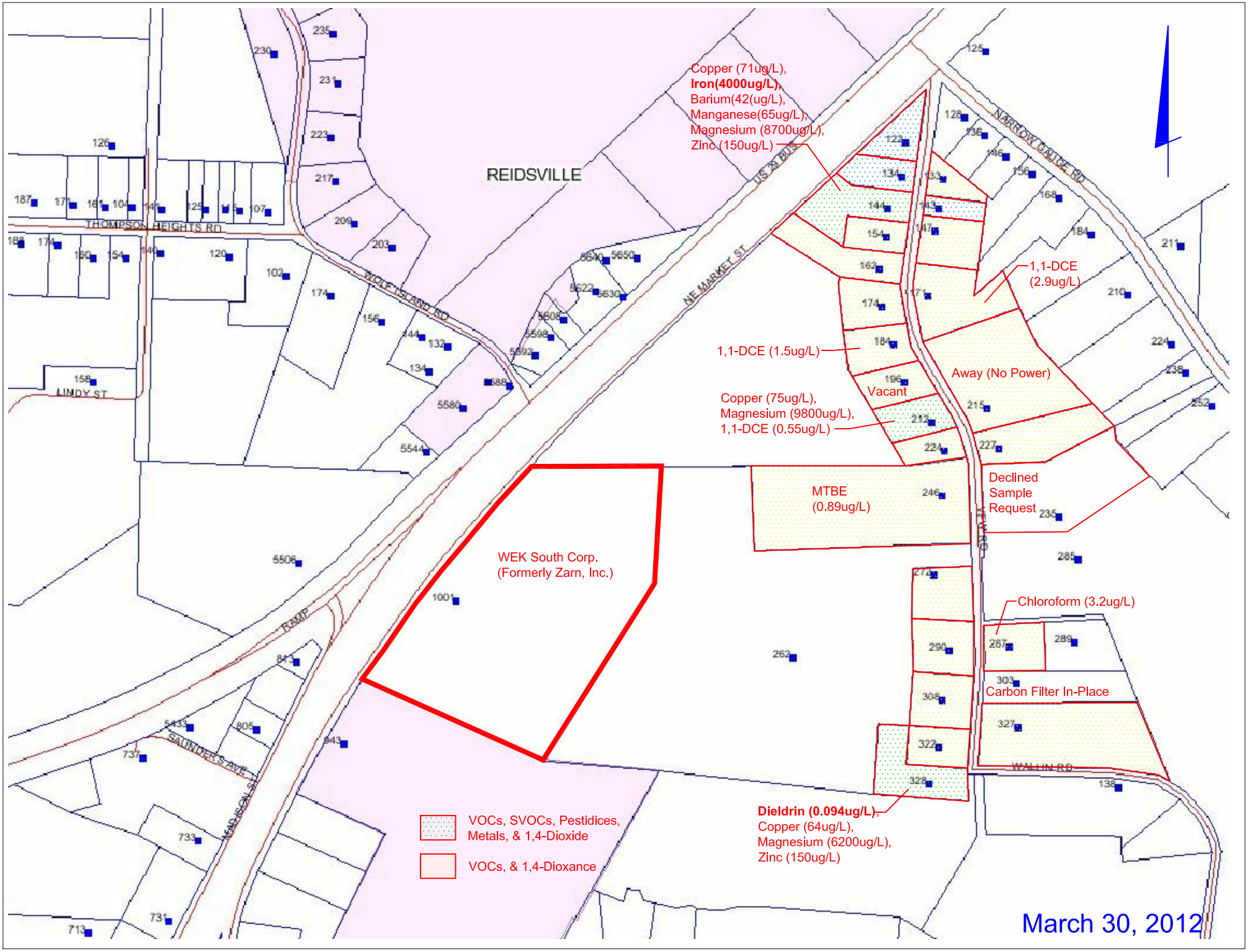
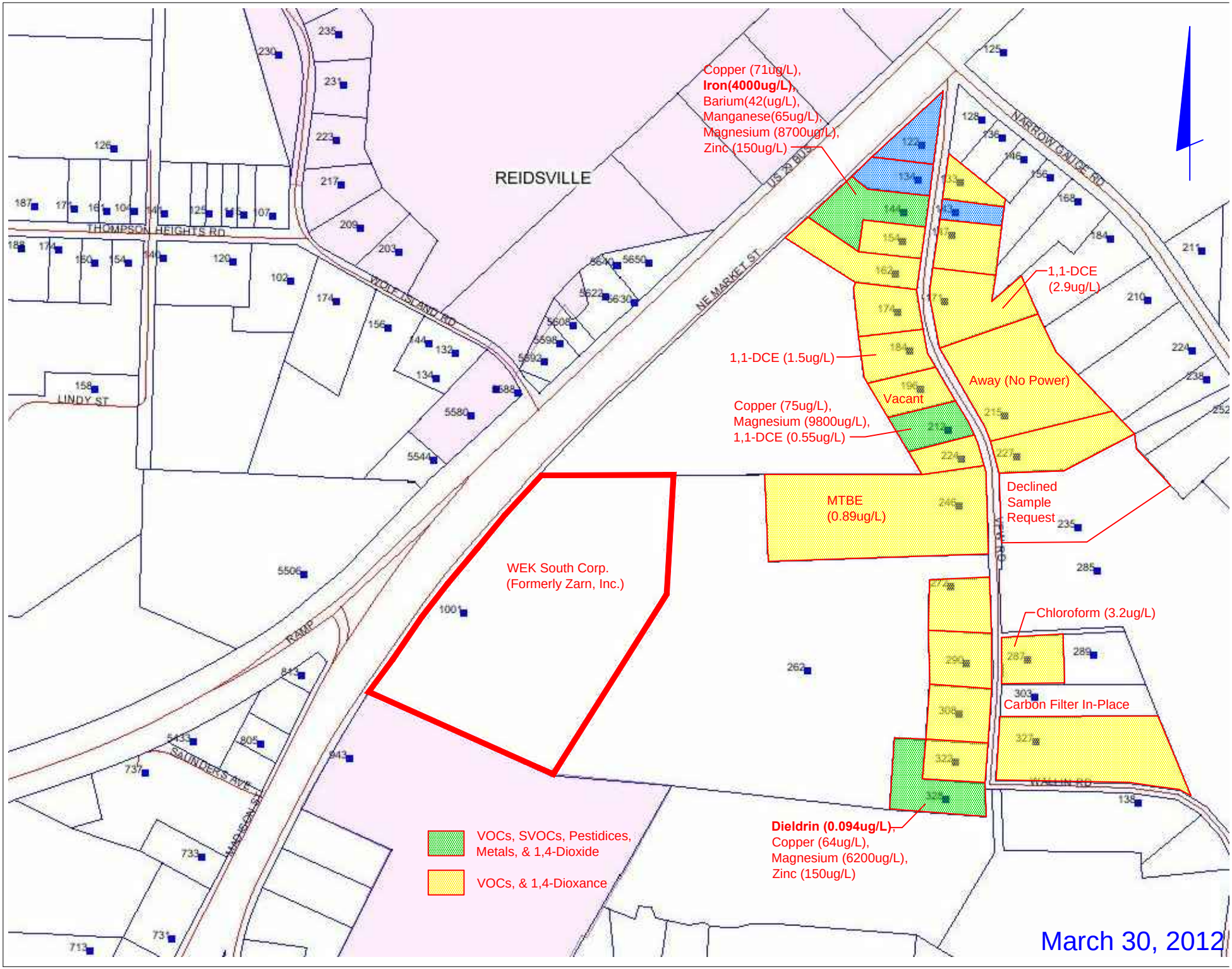
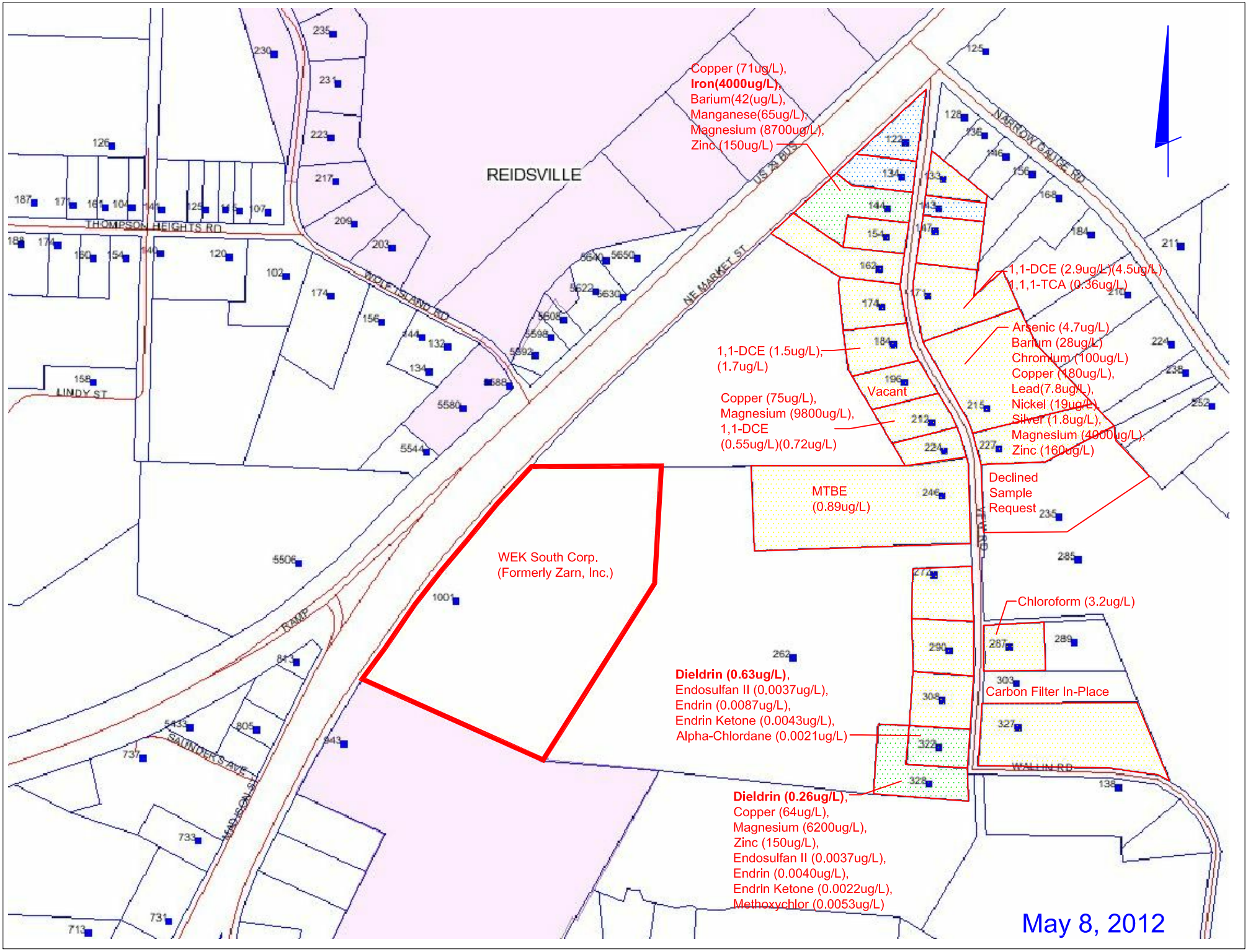

REIDSVILLE
Copper (71ug/L),
Iron(4000ug/L),
Barium(42(ug/L),
Manganese(65ug/L),
Magnesium (8700ug/L),
Zinc (150ug/L)
1,1-DCE
(2.9ug/L)
1,1-DCE (1.5ug/L)
Away (No Power)
Vacant
Copper (75ug/L),
Magnesium (9800ug/L),
1,1-DCE (0.55ug/L)
MTBE
(0.89ug/L)
Declined
Sample
Request
WEK South Corp.
(Formerly Zarn, Inc.)
Chloroform (3.2ug/L)
Carbon Filter In-Place
Dieldrin (0.094ug/L),
Copper (64ug/L),
Magnesium (6200ug/L),
Zinc (150ug/L)
VOCs, SVOCs, Pestidices,
Metals, & 1,4-Dioxide
VOCs, & 1,4-Dioxance
THOMPSON HEIGHTS RD
WOLF ISLAND RD
NE MARKET ST
US 23 BUS
NARROW GAUGE RD
LINDY ST
RAMP
SAUNDERS AVE
MADISON ST
WALLIN RD
March 30, 2012


REIDSVILLE
Copper (71ug/L),
Iron(4000ug/L),
Barium(42(ug/L),
Manganese(65ug/L),
Magnesium (8700ug/L),
Zinc (150ug/L)
1,1-DCE
(2.9ug/L)
1,1-DCE (1.5ug/L)
Away (No Power)
Vacant
Copper (75ug/L),
Magnesium (9800ug/L),
1,1-DCE (0.55ug/L)
MTBE
(0.89ug/L)
Declined
Sample
Request
WEK South Corp.
(Formerly Zarn, Inc.)
Chloroform (3.2ug/L)
Carbon Filter In-Place
Dieldrin (0.094ug/L),
Copper (64ug/L),
Magnesium (6200ug/L),
Zinc (150ug/L)
VOCs, SVOCs, Pestidices,
Metals, & 1,4-Dioxide
VOCs, & 1,4-Dioxance
THOMPSON HEIGHTS RD
WOLF ISLAND RD
NE MARKET ST
US 31 BUS
NARROWCAUSE RD
LINDY ST
RAMP
SAUNDERS AVE
MADISON ST
WALLIN RD
March 30, 2012


REIDSVILLE
Copper (71ug/L),
Iron(4000ug/L),
Barium(42(ug/L),
Manganese(65ug/L),
Magnesium (8700ug/L),
Zinc (150ug/L)
1,1-DCE (2.9ug/L)(4.5ug/L)
1,1,1-TCA (0.36ug/L)
Arsenic (4.7ug/L)
Barium (28ug/L)
Chromium (100ug/L)
Copper (180ug/L),
Lead(7.8ug/L),
Nickel (19ug/L)
Silver (1.8ug/L),
Magnesium (4000ug/L),
Zinc (160ug/L)
1,1-DCE (1.5ug/L);
(1.7ug/L)
Vacant
Copper (75ug/L),
Magnesium (9800ug/L),
1,1-DCE
(0.55ug/L)(0.72ug/L)
MTBE
(0.89ug/L)
Declined
Sample
Request
WEK South Corp.
(Formerly Zarn, Inc.)
Chloroform (3.2ug/L)
Carbon Filter In-Place
Dieldrin (0.63ug/L),
Endosulfan II (0.0037ug/L),
Endrin (0.0087ug/L),
Endrin Ketone (0.0043ug/L),
Alpha-Chlordane (0.0021ug/L)
Dieldrin (0.26ug/L),
Copper (64ug/L),
Magnesium (6200ug/L),
Zinc (150ug/L),
Endosulfan II (0.0037ug/L),
Endrin (0.0040ug/L),
Endrin Ketone (0.0022ug/L),
Methoxychlor (0.0053ug/L)
THOMPSON HEIGHTS RD
WOLF ISLAND RD
NE MARKET ST
US 23 BUS
NARROW GAUGE RD
LINDY ST
RAMP
SAUNDERS AVE
MADISON ST
WALLIN RD
May 8, 2012

VFW Rd - NONCD000xxxx

Well Address	Sample Date	Sample By	Well ID#	PCE 2L= 0.7 MCL= 5 RAL= 12	TCE 2L= 3 MCL= 5 RAL= 300	1,4-Dioxane 2L= 3 MCL= RAL= 611	Chloroform 2L= 70 MCL= 80 RAL= 100	1,1-DCA 2L= 6 MCL= RAL= 242	Dieldrin 2L= 0.002 MCL= RAL= 0.42	1,1-DCE 2L= 7 MCL= 7 RAL= 7	cis-1,1-DCE 2L= 6 MCL= RAL= 242	Chloromethane 2L= 3 MCL= RAL= 563	Copper 2L= 1000 MCL= 1000 RAL= 1300	Magnesium 2L= MCL= RAL=	Iron 2L= 300 MCL= 300 RAL= 60500	Barium 2L= 700 MCL= 2000 RAL=	Manganese 2L= 50 MCL= 50 RAL= 2070	Zinc 2L= 1000 MCL= 5000 RAL= 25900	MTBE 2L= 20 MCL= RAL= 1250	HRE Sent	Comments
154 VFW Rd (Pettigrew)	2/27/2012	BAF	VFW-1	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
162 VFW Rd (Pettigrew)	2/27/2012	BAF	VFW-2	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
144 VFW Rd (Law)	**2/27/2012**	BAF	VFW-3										**0.071**	**8.7**	**4**	**0.042**	**0.065**	**0.15**		Y	Sampled for VOC's & 1,4 Dioxane, SVOC's, Pesticides, Metals
184 VFW Rd (Setliff)	**2/27/2012**	BAF	VFW-4							**1.5**										Y	Sampled for VOC's & 1,4 Dioxane only
212 VFW Rd (Blackwell)	**2/27/2012**	BAF	VFW-5							**0.55**			**0.075**	**9.8**						Y	Sampled for VOC's & 1,4 Dioxane, SVOC's, Pesticides, Metals
224 VFW Rd (Harrison)	2/27/2012	BAF	VFW-6	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
246 VFW Rd (Stephens)	**2/28/2012**	BAF	VFW-7																**0.89**	Y	Sampled for VOC's & 1,4 Dioxane only
272 VFW Rd (French)	2/28/2012	BAF	VFW-8	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
308 VFW Rd (Dougherty)	2/28/2012	BAF	VFW-9	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
322 VFW Rd (Rickman)	2/28/2012	BAF	VFW-10	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
328 VFW Rd (Cook)	**2/28/2012**	BAF	VFW-11						**0.094**				**64**	**6200**				**150**		Y	Sampled for VOC's & 1,4 Dioxane, SVOC's, Pesticides, Metals
327 VFW Rd (Bunton)	2/28/2012	BAF	VFW-12	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
287 VFW Rd (Jones)	2/28/2012	BAF	VFW-13				3.2													Y	Sampled for VOC's & 1,4 Dioxane only
171 VFW Rd (Hawks)-Deceased (Law) Mail to 144 VFW Rd	**2/28/2012**	BAF	VFW-14							**2.9**										Y	Sampled for VOC's & 1,4 Dioxane only
147 VFW Rd (Evans)	2/28/2012	BAF	VFW-15	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only
133 VFW Rd (Brewer)	2/28/2012	BAF	VFW-16	No VOC's Detected																	Sampled for VOC's & 1,4 Dioxane only

Notes:
All units in ug/l (ppb)
Above MDL Limt = **BOLD**
Above 2L Limit = **BOLD**
Above MCL Limit = **BOLD**
Above RAL = **BOLD**
Chloroform Below 2L = NOT BOLD
HRE Sent =
*=Sample collected after filter system
(T) or (t) = Total

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
Chloromethane (AKA - Methyl Chloride)
PCE = Tetrachloroethene
TCE = Trichloroethene

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-83057-1
Client Project/Site: Dieldrin INF/EFF - 9/17/12

For:
S&ME, Inc.
3201 Spring Forest Road
Raleigh, North Carolina 27616

Attn: Whit Rawls

Authorized for release by:
9/27/2012 1:43:40 PM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-83057-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: S&ME, Inc.

Project: Dieldrin INF/EFF - 9/17/12

Report Number: 680-83057-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 09/19/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.6 C.

PESTICIDES AND PCBS
Samples INFLUENT (680-83057-1) and EFFLUENT (680-83057-2) were analyzed for Pesticides and PCBs in accordance with EPA Method 508. The samples were prepared on 09/21/2012 and analyzed on 09/26/2012.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: INFLUENT (680-83057-1). These results have been reported and qualified.

No other difficulties were encountered during the Pesticides and PCBs analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-83057-1	INFLUENT	Water	09/17/12 08:40	09/19/12 09:30
680-83057-2	EFFLUENT	Water	09/17/12 08:45	09/19/12 09:30

Method Summary

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Method	Method Description	Protocol	Laboratory
508	Chlorinated Pesticides & PCBs (GC)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Client Sample ID: INFLUENT

Lab Sample ID: 680-83057-1

Date Collected: 09/17/12 08:40
Matrix: Water
Date Received: 09/19/12 09:30

Method: 508 - Chlorinated Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	**0.17**		0.049	0.0016	ug/L		09/21/12 11:40	09/26/12 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*	*X*	*70 - 130*	*09/21/12 11:40*	*09/26/12 01:46*	*1*
DCB Decachlorobiphenyl	*59*	*X*	*70 - 130*	*09/21/12 11:40*	*09/26/12 01:46*	*1*
Tetrachloro-m-xylene	*72*		*70 - 130*	*09/21/12 11:40*	*09/26/12 01:46*	*1*
Tetrachloro-m-xylene	*73*		*70 - 130*	*09/21/12 11:40*	*09/26/12 01:46*	*1*

Client Sample ID: EFFLUENT

Lab Sample ID: 680-83057-2

Date Collected: 09/17/12 08:45
Matrix: Water
Date Received: 09/19/12 09:30

Method: 508 - Chlorinated Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.0015	U	0.048	0.0015	ug/L		09/21/12 11:40	09/26/12 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*	*X*	*70 - 130*	*09/21/12 11:40*	*09/26/12 02:10*	*1*
DCB Decachlorobiphenyl	*70*		*70 - 130*	*09/21/12 11:40*	*09/26/12 02:10*	*1*
Tetrachloro-m-xylene	*78*		*70 - 130*	*09/21/12 11:40*	*09/26/12 02:10*	*1*
Tetrachloro-m-xylene	*75*		*70 - 130*	*09/21/12 11:40*	*09/26/12 02:10*	*1*

QC Sample Results

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Method: 508 - Chlorinated Pesticides & PCBs (GC)

Lab Sample ID: MB 680-250543/18-A
Matrix: Water
Analysis Batch: 251095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250543

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.32	U	10	0.32	ug/L		09/21/12 11:40	09/25/12 18:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*70 - 130*	*09/21/12 11:40*	*09/25/12 18:10*	*1*
DCB Decachlorobiphenyl	*75*		*70 - 130*	*09/21/12 11:40*	*09/25/12 18:10*	*1*
Tetrachloro-m-xylene	*89*		*70 - 130*	*09/21/12 11:40*	*09/25/12 18:10*	*1*
Tetrachloro-m-xylene	*85*		*70 - 130*	*09/21/12 11:40*	*09/25/12 18:10*	*1*

Lab Sample ID: LCS 680-250543/19-A
Matrix: Water
Analysis Batch: 251095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250543

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dieldrin			10.0	9.49	J	ug/L		95	57 - 117		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*	*X*	*70 - 130*
DCB Decachlorobiphenyl	*70*		*70 - 130*
Tetrachloro-m-xylene	*84*		*70 - 130*
Tetrachloro-m-xylene	*82*		*70 - 130*

QC Association Summary

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

GC Semi VOA

Prep Batch: 250543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-83057-1	INFLUENT	Total/NA	Water	508	
680-83057-2	EFFLUENT	Total/NA	Water	508	
LCS 680-250543/19-A	Lab Control Sample	Total/NA	Water	508	
MB 680-250543/18-A	Method Blank	Total/NA	Water	508	

Analysis Batch: 251095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-83057-1	INFLUENT	Total/NA	Water	508	250543
680-83057-2	EFFLUENT	Total/NA	Water	508	250543
LCS 680-250543/19-A	Lab Control Sample	Total/NA	Water	508	250543
MB 680-250543/18-A	Method Blank	Total/NA	Water	508	250543

Lab Chronicle

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Client Sample ID: INFLUENT

Lab Sample ID: 680-83057-1

Date Collected: 09/17/12 08:40

Matrix: Water

Date Received: 09/19/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	508			1029.6 mL	5.0 mL	250543	09/21/12 11:40	JEM	TAL SAV
Total/NA	Analysis	508		1			251095	09/26/12 01:46	JK	TAL SAV

Client Sample ID: EFFLUENT

Lab Sample ID: 680-83057-2

Date Collected: 09/17/12 08:45

Matrix: Water

Date Received: 09/19/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	508			1033.0 mL	5.0 mL	250543	09/21/12 11:40	JEM	TAL SAV
Total/NA	Analysis	508		1			251095	09/26/12 02:10	JK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 57107

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

◯ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

◯ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO. 1054-12-2050	PROJECT LOCATION (STATE) NC
TAL (LAB) PROJECT MANAGER	P.O. NUMBER 1054-12-2050	CONTRACT NO.
CLIENT (SITE) PM Whit Rawls	CLIENT PHONE 919 872 2660	CLIENT FAX
CLIENT NAME S&ME, Inc.	CLIENT E-MAIL WRAWLS@SMEINC.COM	
CLIENT ADDRESS 3201 Spring Forest Road Raleigh, NC 27616		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ◯

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 508 - Dieldrin									REMARKS
								1 PRESERVATIVE									
								NUMBER OF CONTAINERS SUBMITTED									
9/17/12	0840	INFLUENT	G	W				2									
9/17/12	0845	EFFLUENT	G	W				2									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	9/18/12	1500			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	9/19/12	0930	YES ◯ NO ◯		680-83057	FGP 4.6°C

TA1.8240-680 (1008)

Login Sample Receipt Checklist

Client: S&ME, Inc.

Job Number: 680-83057-1

Login Number: 83057
List Number: 1
Creator: Conner, Keaton

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: S&ME, Inc.
Project/Site: Dieldrin INF/EFF - 9/17/12

TestAmerica Job ID: 680-83057-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	02-28-13
A2LA	ISO/IEC 17025		399.01	02-28-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
Arkansas DEQ	State Program	6	88-0692	02-01-13
California	NELAC	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-12
Connecticut	State Program	1	PH-0161	03-31-13
Florida	NELAC	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-12
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAC	5	200022	11-30-12
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12
Kentucky (UST)	State Program	4	18	02-28-13
Louisiana	NELAC	6	30690	06-30-13
Louisiana	NELAC	6	LA100015	12-31-12
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-12
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	12-31-12
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAC	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAC	2	10842	04-01-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAC	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-13
Rhode Island	State Program	1	LAO00244	12-30-12
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAC	6	T104704185-08-TX	11-30-12
USDA	Federal		SAV 3-04	04-07-14
Vermont	State Program	1	87052	11-16-12
Virginia	NELAC	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-12
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13