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Site Name	FRANCES GANN PROPERTY
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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

December 1, 2009

Frances Gann
C/O Perry Gann
307 Bryan Street
Stoneville, NC 27048

RE: Water Supply Well Sampling Results
801 Taylor Road
Stoneville, NC 27048

Dear Mr. Gann:

Please find attached the Sample Analytical Results for a water sample collected from your mother's well located at the address referenced above, on November 10, 2009. The sample was submitted for laboratory analyses for chemicals listed on the attached sheets. Volatile Organic Compounds (VOCs) an metals were detected in the water sample as shown on the attached sheets.

Because VOCs and metals 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. Although the HRE indicates that the water is safe for normal use, given the history of contamination, I would recommend having the water tested again in approximately 6 months before using it for drinking and cooking.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 508-8445 or me at (919) 508-8573.

Sincerely,

Dwayne Peterson
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

November 30, 2009

MEMORANDUM

TO: Dwayne Peterson, Environmental Specialist
Superfund Section, IHSB

FROM: Hanna Assefa, Industrial Hygienist
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
Frances Gann Residence
801 Taylor Rd (G-O1)
Rockingham County
NONCD0002879

A water sample was collected from the water supply well at the subject address on November 10, 2009. None of the contaminants detected exceeded 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). There is no toxicological data available for magnesium.

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:

Sample #	Chemical	11/10/2009 Concentrations Ug/l	USEPA MCL Ug/l	NC 2L Ug/l
KK13011-012	Chloromethane	0.80		2.6
	Chloroform	5.6	80	
	Carbon tetrachloride	3.4	5	
	Barium	89	2,000	
	Copper	120	1,300	
	Magnesium	8,600	NA	NA
	Zinc	30		1,050

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-012**
Description: **G-01**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1150**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0454	DLB		22033

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**	**3.4**		**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**	**5.6**		**0.50**	**ug/L**	**1**
Chloromethane (Methyl chloride)	**74-87-3**	**8260B**	**0.80**		**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
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%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-012**
Description: **G-01**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1150**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0454	DLB		22033

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		93	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
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TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-012**
Description: **G-01**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1150**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2216	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0021	KJC	11/13/2009 1800	21674

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**	**0.089**		**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**	**0.12**		**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**	**8.6**		**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**	**0.030**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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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

December 1, 2009

Larry & Judy White
P.O. Box 385
Stoneville, NC 27048

RE: Water Supply Well Sampling Results
190 GSI Drive (G-04B, Serves Brick House) & 191 GSI Drive (G-04A, Serves Office and Grey House)
Stoneville, NC 27048

Dear Mr. & Mrs. White:

Please find attached the Sample Analytical Results for a water sample collected from your wells located at the addresses referenced above, on November 10, 2009. The sample was submitted for laboratory analyses for chemicals listed on the attached sheets. Volatile Organic Compounds (VOCs) and metals were detected in the water sample as shown on the attached sheets.

Because VOCs and metals 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.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 508-8445 or me at (919) 508-8573.

Sincerely,

Dwayne Peterson
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure
CC: Rockingham County Health Department

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-508-8400 \ FAX: 919-715-4061 \ Internet: www.wastenotnc.org

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One NorthCarolina Naturally

November 30, 2009

MEMORANDUM

TO: Dwayne Peterson, Environmental Specialist
Superfund Section, IHSB

FROM: Hanna Assefa, Industrial Hygienist
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
Frances Gann Residence
191 GSI Drive (G-O4A)
Rockingham County
NONCD0002879

A water sample was collected from the water supply well at the subject address on November 10, 2009. None of the contaminants detected exceeded 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:

Sample #	Chemical	11/10/2009 Concentrations Ug/l	USEPA MCL Ug/l	NC 2L Ug/l
KK13011-013	Chloromethane	0.62		2.6
	Copper	55	1,300	
	Zinc	22		1,050

NA - Not Available

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **G-04A**
Date Sampled: **11/10/2009 1220**
Date Received: **11/13/2009**

Laboratory ID: **KK13011-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0515	DLB		22033

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**	**0.62**		**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
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%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-013**
Description: **G-04A**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1220**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0515	DLB		22033

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		92	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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TAL Metals

Client: **NCDENR - DWM - DSCA**
Description: **G-04A**
Date Sampled: **11/10/2009 1220**
Date Received: **11/13/2009**

Laboratory ID: **KK13011-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2218	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0029	KJC	11/13/2009 1800	21674

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**	**0.055**		**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	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**	**0.022**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

November 30, 2009

MEMORANDUM

TO: Dwayne Peterson, Environmental Specialist
Superfund Section, IHSB

FROM: Hanna Assefa, Industrial Hygienist
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
Frances Gann Residence
190 GSI Drive (G-O4B)
Rockingham County
NONCD0002879

A water sample was collected from the water supply well at the subject address on November 10, 2009. None of the contaminants detected exceeded 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:

Sample #	Chemical	11/10/2009 Concentrations Ug/l	USEPA MCL Ug/l	NC 2L Ug/l	Calculated Health-based levels
KK13011-014	Chloromethane	0.68		2.6	
	Cis-1,2-Dichloroethene	0.50	70		
	Methyl tertiary-butyl ether	4.4		20*	
	Copper	15	1,300		
	Iron	260			2,500

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-014**
Description: **G-04B**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1250**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0537	DLB		22033

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**	**0.68**		**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**	**0.50**		**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**	**4.4**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-014**
Description: **G-04B**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1250**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0537	DLB		22033

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		91	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-014**
Description: **G-04B**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1250**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2221	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0032	KJC	11/13/2009 1800	21674

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**	**0.015**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010C**	**0.26**		**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	ND		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
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

NCDENR - DWM - DSCA
401 Oberlin Rd
Suite 210
Raleigh, NC 27605
Attention: Dwayne Peterson

Project Name: **Brown Residence**

Lot Number: **KK13011**
Date Completed: **11/20/2009**

Nisreen Saikaly
Project Manager

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

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Case Narrative
NCDENR - DWM - DSCA
Lot Number: KK13011

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.

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

The LCS/LCSD recovery for Dichlorodifluoromethane exceeded method control limits in batch 22033; 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: KK13011

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	FB-01	Aqueous	11/12/2009 0945	11/13/2009
002	FB-02	Aqueous	11/12/2009 1010	11/13/2009
003	FB-03	Aqueous	11/12/2009 1045	11/13/2009
004	FB-05	Aqueous	11/12/2009 1115	11/13/2009
005	FB-06	Aqueous	11/12/2009 1140	11/13/2009
006	FB-08	Aqueous	11/12/2009 1200	11/13/2009
007	FB-11	Aqueous	11/12/2009 1300	11/13/2009
008	FB-12	Aqueous	11/12/2009 1230	11/13/2009
009	BH-05	Aqueous	11/10/2009 0925	11/13/2009
010	BR-03	Aqueous	11/10/2009 1000	11/13/2009
011	BR-07	Aqueous	11/10/2009 1030	11/13/2009
012	G-01	Aqueous	11/10/2009 1150	11/13/2009
013	G-04A	Aqueous	11/10/2009 1220	11/13/2009
014	G-04B	Aqueous	11/10/2009 1250	11/13/2009
015	Trip Blank	Aqueous	11/13/2009 0820	11/13/2009

(15 samples)

Executive Summary
NCDENR - DWM - DSCA
Lot Number: KK13011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	FB-01	Aqueous	Aluminum	6010C	0.87		mg/L	8
001	FB-01	Aqueous	Copper	6010C	0.013		mg/L	8
001	FB-01	Aqueous	Iron	6010C	0.36		mg/L	8
002	FB-02	Aqueous	Barium	6010C	0.039		mg/L	11
002	FB-02	Aqueous	Copper	6010C	0.050		mg/L	11
002	FB-02	Aqueous	Zinc	6010C	0.022		mg/L	11
003	FB-03	Aqueous	Chloromethane (Methyl chloride)	8260B	1.2		ug/L	12
003	FB-03	Aqueous	Barium	6010C	0.040		mg/L	14
003	FB-03	Aqueous	Copper	6010C	0.018		mg/L	14
004	FB-05	Aqueous	Chloromethane (Methyl chloride)	8260B	0.67		ug/L	15
004	FB-05	Aqueous	Barium	6010C	0.20		mg/L	17
004	FB-05	Aqueous	Copper	6010C	0.025		mg/L	17
004	FB-05	Aqueous	Magnesium	6010C	5.2		mg/L	17
004	FB-05	Aqueous	Zinc	6010C	0.062		mg/L	17
005	FB-06	Aqueous	Chloromethane (Methyl chloride)	8260B	0.60		ug/L	18
005	FB-06	Aqueous	Barium	6010C	0.20		mg/L	20
005	FB-06	Aqueous	Copper	6010C	0.050		mg/L	20
005	FB-06	Aqueous	Magnesium	6010C	5.2		mg/L	20
005	FB-06	Aqueous	Mercury	7470A	0.00011		mg/L	20
006	FB-08	Aqueous	Barium	6010C	0.10		mg/L	23
006	FB-08	Aqueous	Copper	6010C	0.041		mg/L	23
006	FB-08	Aqueous	Iron	6010C	0.25		mg/L	23
006	FB-08	Aqueous	Zinc	6010C	0.21		mg/L	23
007	FB-11	Aqueous	Benzene	8260B	0.65		ug/L	24
007	FB-11	Aqueous	1,2-Dichloroethane	8260B	1.5		ug/L	24
007	FB-11	Aqueous	Magnesium	6010C	8.2		mg/L	26
007	FB-11	Aqueous	Manganese	6010C	0.058		mg/L	26
008	FB-12	Aqueous	Barium	6010C	0.096		mg/L	29
008	FB-12	Aqueous	Copper	6010C	0.078		mg/L	29
008	FB-12	Aqueous	Zinc	6010C	0.045		mg/L	29
009	BH-05	Aqueous	1,1-Dichloroethene	8260B	8.4		ug/L	30
009	BH-05	Aqueous	1,1,1-Trichloroethane	8260B	0.59		ug/L	30
010	BR-03	Aqueous	Chloromethane (Methyl chloride)	8260B	0.55		ug/L	32
010	BR-03	Aqueous	Trichloroethene	8260B	4.1		ug/L	33
011	BR-07	Aqueous	Trichloroethene	8260B	7.9		ug/L	35
012	G-01	Aqueous	Carbon tetrachloride	8260B	3.4		ug/L	36
012	G-01	Aqueous	Chloroform	8260B	5.6		ug/L	36
012	G-01	Aqueous	Chloromethane (Methyl chloride)	8260B	0.80		ug/L	36
012	G-01	Aqueous	Barium	6010C	0.089		mg/L	38
012	G-01	Aqueous	Copper	6010C	0.12		mg/L	38
012	G-01	Aqueous	Magnesium	6010C	8.6		mg/L	38
012	G-01	Aqueous	Zinc	6010C	0.030		mg/L	38
013	G-04A	Aqueous	Chloromethane (Methyl chloride)	8260B	0.62		ug/L	39
013	G-04A	Aqueous	Copper	6010C	0.055		mg/L	41
013	G-04A	Aqueous	Zinc	6010C	0.022		mg/L	41

Executive Summary (Continued)

Lot Number: KK13011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
014	G-04B	Aqueous	Chloromethane (Methyl chloride)	8260B	0.68		ug/L	42
014	G-04B	Aqueous	cis-1,2-Dichloroethene	8260B	0.50		ug/L	42
014	G-04B	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	4.4		ug/L	42
014	G-04B	Aqueous	Copper	6010C	0.015		mg/L	44
014	G-04B	Aqueous	Iron	6010C	0.26		mg/L	44
015	Trip Blank	Aqueous	Carbon disulfide	8260B	0.52		ug/L	45

(51 detections)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-001**
Description: **FB-01**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 0945**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0058	DLB		22033

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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-001**
Description: **FB-01**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 0945**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0058	DLB		22033

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		91	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-001**
Description: **FB-01**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 0945**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2139	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/13/2009 2346	KJC	11/13/2009 1800	21674
2	3005A	6010C	1	11/16/2009 1735	CDF	11/13/2009 1800	21674

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010C**	**0.87**		**0.20**	**mg/L**	**2**
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**	**0.013**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010C**	**0.36**		**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	ND		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
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-002**
Description: **FB-02**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1010**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0120	DLB		22033

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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-002**
Description: **FB-02**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1010**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0120	DLB		22033

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		93	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		100	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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-002**
Description: **FB-02**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1010**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2142	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/13/2009 2350	KJC	11/13/2009 1800	21674

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**	**0.039**		**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**	**0.050**		**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	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**	**0.022**		**0.020**	**mg/L**	**1**

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%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-003**
Description: **FB-03**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1045**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0141	DLB		22033

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**	**1.2**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-003**
Description: **FB-03**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1045**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0141	DLB		22033

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		94	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-003**
Description: **FB-03**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1045**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2145	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/13/2009 2353	KJC	11/13/2009 1800	21674

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**	**0.040**		**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**	**0.018**		**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	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	ND		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
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-004**
Description: **FB-05**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1115**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0202	DLB		22033

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**	**0.67**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-004**
Description: **FB-05**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1115**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0202	DLB		22033

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		93	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-004**
Description: **FB-05**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1115**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2147	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/13/2009 2357	KJC	11/13/2009 1800	21674

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**	**0.20**		**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**	**0.025**		**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**	**5.2**		**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**	**0.062**		**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
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-005**
Description: **FB-06**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1140**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0224	DLB		22033

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**	**0.60**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-005**
Description: **FB-06**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1140**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0224	DLB		22033

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		92	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		98	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%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-005**
Description: **FB-06**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1140**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2150	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/14/2009 0000	KJC	11/13/2009 1800	21674

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**	**0.20**		**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**	**0.050**		**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**	**5.2**		**5.0**	**mg/L**	**1**
Manganese	7439-96-5	6010C	ND		0.015	mg/L	1
Mercury	**7439-97-6**	**7470A**	**0.00011**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-006**
Description: **FB-08**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1200**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0245	DLB		22033

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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-006**
Description: **FB-08**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1200**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0245	DLB		22033

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		94	70-130
Bromofluorobenzene		99	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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-006**
Description: **FB-08**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1200**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2153	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/14/2009 0004	KJC	11/13/2009 1800	21674

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**	**0.10**		**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**	**0.041**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010C**	**0.25**		**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**	**0.21**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-007**
Description: **FB-11**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1300**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0307	DLB		22033

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**	**0.65**		**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**	**1.5**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-007**
Description: **FB-11**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1300**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0307	DLB		22033

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		79	70-130
Bromofluorobenzene		83	70-130
Toluene-d8		84	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-007**
Description: **FB-11**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1300**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2155	BNW	11/17/2009 1800	21827
1	3005A	6010C	1	11/14/2009 0007	KJC	11/13/2009 1800	21674

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	ND		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**	**8.2**		**5.0**	**mg/L**	**1**
Manganese	**7439-96-5**	**6010C**	**0.058**		**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
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%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-008**
Description: **FB-12**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1230**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0328	DLB		22033

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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **FB-12**
Date Sampled: **11/12/2009 1230**
Date Received: **11/13/2009**

Laboratory ID: **KK13011-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0328	DLB		22033

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		97	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-008**
Description: **FB-12**
Matrix: **Aqueous**
Date Sampled: **11/12/2009 1230**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2212	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0018	KJC	11/13/2009 1800	21674

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**	**0.096**		**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**	**0.078**		**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	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**	**0.045**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-009**
Description: **BH-05**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 0925**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0349	DLB		22033

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**	**8.4**		**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**	**0.59**		**0.50**	**ug/L**	**1**

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

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-009**
Description: **BH-05**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 0925**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0349	DLB		22033

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		97	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		103	70-130

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

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-010**
Description: **BR-03**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1000**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0411	DLB		22033

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**	**0.55**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-010**
Description: **BR-03**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1000**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0411	DLB		22033

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**	**4.1**		**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		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-011**
Description: **BR-07**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1030**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0432	DLB		22033

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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-011**
Description: **BR-07**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1030**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0432	DLB		22033

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**	**7.9**		**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		94	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-012**
Description: **G-01**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1150**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0454	DLB		22033

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**	**3.4**		**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**	**5.6**		**0.50**	**ug/L**	**1**
Chloromethane (Methyl chloride)	**74-87-3**	**8260B**	**0.80**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-012**
Description: **G-01**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1150**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0454	DLB		22033

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		93	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-012**
Description: **G-01**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1150**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2216	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0021	KJC	11/13/2009 1800	21674

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**	**0.089**		**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**	**0.12**		**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**	**8.6**		**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**	**0.030**		**0.020**	**mg/L**	**1**

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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-013**
Description: **G-04A**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1220**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0515	DLB		22033

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**	**0.62**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-013**
Description: **G-04A**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1220**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0515	DLB		22033

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		92	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-013**
Description: **G-04A**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1220**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2218	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0029	KJC	11/13/2009 1800	21674

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**	**0.055**		**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	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**	**0.022**		**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
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-014**
Description: **G-04B**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1250**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0537	DLB		22033

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**	**0.68**		**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**	**0.50**		**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**	**4.4**		**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
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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-014**
Description: **G-04B**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1250**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/19/2009 0537	DLB		22033

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		91	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	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%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TAL Metals

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-014**
Description: **G-04B**
Matrix: **Aqueous**
Date Sampled: **11/10/2009 1250**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	11/17/2009 2221	BNW	11/17/2009 1800	21888
1	3005A	6010C	1	11/14/2009 0032	KJC	11/13/2009 1800	21674

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**	**0.015**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010C**	**0.26**		**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	ND		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
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA** Laboratory ID: **KK13011-015**

Description: **Trip Blank** Matrix: **Aqueous**

Date Sampled: **11/13/2009 0820**

Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/17/2009 1748	DLB		21834

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**	**0.52**		**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
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
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%
N = Recovery is out of criteria
H = Out of holding time

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **KK13011-015**
Description: **Trip Blank**
Matrix: **Aqueous**
Date Sampled: **11/13/2009 0820**
Date Received: **11/13/2009**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/17/2009 1748	DLB		21834

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		89	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		92	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%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: KQ21834-001
Batch: 21834
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	11/17/2009 1222
Benzene	ND		1	0.50	ug/L	11/17/2009 1222
Bromodichloromethane	ND		1	0.50	ug/L	11/17/2009 1222
Bromoform	ND		1	0.50	ug/L	11/17/2009 1222
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	11/17/2009 1222
2-Butanone (MEK)	ND		1	10	ug/L	11/17/2009 1222
Carbon disulfide	ND		1	0.50	ug/L	11/17/2009 1222
Carbon tetrachloride	ND		1	0.50	ug/L	11/17/2009 1222
Chlorobenzene	ND		1	0.50	ug/L	11/17/2009 1222
Chloroethane	ND		1	0.50	ug/L	11/17/2009 1222
Chloroform	ND		1	0.50	ug/L	11/17/2009 1222
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	11/17/2009 1222
Cyclohexane	ND		1	0.50	ug/L	11/17/2009 1222
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	11/17/2009 1222
Dibromochloromethane	ND		1	0.50	ug/L	11/17/2009 1222
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	11/17/2009 1222
1,2-Dichlorobenzene	ND		1	0.50	ug/L	11/17/2009 1222
1,3-Dichlorobenzene	ND		1	0.50	ug/L	11/17/2009 1222
1,4-Dichlorobenzene	ND		1	0.50	ug/L	11/17/2009 1222
Dichlorodifluoromethane	ND		1	0.50	ug/L	11/17/2009 1222
1,2-Dichloroethane	ND		1	0.50	ug/L	11/17/2009 1222
1,1-Dichloroethane	ND		1	0.50	ug/L	11/17/2009 1222
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	11/17/2009 1222
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	11/17/2009 1222
1,1-Dichloroethene	ND		1	0.50	ug/L	11/17/2009 1222
1,2-Dichloropropane	ND		1	0.50	ug/L	11/17/2009 1222
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	11/17/2009 1222
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	11/17/2009 1222
1,4-Dioxane	ND		1	5.0	ug/L	11/17/2009 1222
Ethylbenzene	ND		1	0.50	ug/L	11/17/2009 1222
2-Hexanone	ND		1	10	ug/L	11/17/2009 1222
Isopropylbenzene	ND		1	0.50	ug/L	11/17/2009 1222
Methyl acetate	ND		1	1.0	ug/L	11/17/2009 1222
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	11/17/2009 1222
4-Methyl-2-pentanone	ND		1	10	ug/L	11/17/2009 1222
Methylcyclohexane	ND		1	5.0	ug/L	11/17/2009 1222
Methylene chloride	ND		1	0.50	ug/L	11/17/2009 1222
Styrene	ND		1	0.50	ug/L	11/17/2009 1222
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	11/17/2009 1222
Tetrachloroethene	ND		1	0.50	ug/L	11/17/2009 1222
Toluene	ND		1	0.50	ug/L	11/17/2009 1222
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	11/17/2009 1222
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	11/17/2009 1222
1,1,2-Trichloroethane	ND		1	0.50	ug/L	11/17/2009 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 - MB

Sample ID: KQ21834-001
Batch: 21834
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	11/17/2009 1222
Trichloroethene	ND		1	0.50	ug/L	11/17/2009 1222
Trichlorofluoromethane	ND		1	0.50	ug/L	11/17/2009 1222
Vinyl chloride	ND		1	0.50	ug/L	11/17/2009 1222
Xylenes (total)	ND		1	0.50	ug/L	11/17/2009 1222

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		92	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: KQ21834-002
Batch: 21834
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	120		1	119	46-153	11/17/2009 1055
Benzene	50	44		1	88	70-130	11/17/2009 1055
Bromodichloromethane	50	44		1	88	70-130	11/17/2009 1055
Bromoform	50	42		1	83	70-130	11/17/2009 1055
Bromomethane (Methyl bromide)	50	55		1	109	60-140	11/17/2009 1055
2-Butanone (MEK)	100	96		1	96	60-140	11/17/2009 1055
Carbon disulfide	50	52		1	104	60-140	11/17/2009 1055
Carbon tetrachloride	50	49		1	98	70-130	11/17/2009 1055
Chlorobenzene	50	43		1	86	70-130	11/17/2009 1055
Chloroethane	50	42		1	83	42-163	11/17/2009 1055
Chloroform	50	47		1	94	70-130	11/17/2009 1055
Chloromethane (Methyl chloride)	50	43		1	86	20-158	11/17/2009 1055
Cyclohexane	50	46		1	93	70-130	11/17/2009 1055
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	101	70-130	11/17/2009 1055
Dibromochloromethane	50	46		1	91	70-130	11/17/2009 1055
1,2-Dibromoethane (EDB)	50	41		1	82	70-130	11/17/2009 1055
1,2-Dichlorobenzene	50	47		1	95	70-130	11/17/2009 1055
1,3-Dichlorobenzene	50	45		1	90	70-130	11/17/2009 1055
1,4-Dichlorobenzene	50	44		1	89	70-130	11/17/2009 1055
Dichlorodifluoromethane	50	36		1	73	60-140	11/17/2009 1055
1,2-Dichloroethane	50	45		1	90	70-130	11/17/2009 1055
1,1-Dichloroethane	50	45		1	90	70-130	11/17/2009 1055
cis-1,2-Dichloroethene	50	46		1	93	70-130	11/17/2009 1055
trans-1,2-Dichloroethene	50	47		1	93	70-130	11/17/2009 1055
1,1-Dichloroethene	50	47		1	94	70-130	11/17/2009 1055
1,2-Dichloropropane	50	44		1	88	70-130	11/17/2009 1055
trans-1,3-Dichloropropene	50	48		1	95	70-130	11/17/2009 1055
cis-1,3-Dichloropropene	50	43		1	86	70-130	11/17/2009 1055
1,4-Dioxane	500	540		1	108	43-173	11/17/2009 1055
Ethylbenzene	50	46		1	92	70-130	11/17/2009 1055
2-Hexanone	100	86		1	86	60-140	11/17/2009 1055
Isopropylbenzene	50	49		1	98	70-130	11/17/2009 1055
Methyl acetate	50	51		1	103	15-128	11/17/2009 1055
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	11/17/2009 1055
4-Methyl-2-pentanone	100	91		1	91	60-140	11/17/2009 1055
Methylcyclohexane	50	48		1	97	70-130	11/17/2009 1055
Methylene chloride	50	47		1	95	70-130	11/17/2009 1055
Styrene	50	46		1	92	70-130	11/17/2009 1055
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	11/17/2009 1055
Tetrachloroethene	50	45		1	91	70-130	11/17/2009 1055
Toluene	50	44		1	87	70-130	11/17/2009 1055
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	91	70-130	11/17/2009 1055
1,2,4-Trichlorobenzene	50	62		1	125	70-130	11/17/2009 1055
1,1,2-Trichloroethane	50	39		1	78	70-130	11/17/2009 1055

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: KQ21834-002
Batch: 21834
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	49		1	99	70-130	11/17/2009 1055
Trichloroethene	50	45		1	89	70-130	11/17/2009 1055
Trichlorofluoromethane	50	46		1	93	60-140	11/17/2009 1055
Vinyl chloride	50	42		1	84	60-140	11/17/2009 1055
Xylenes (total)	100	95		1	95	70-130	11/17/2009 1055

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		92	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: KQ21834-003
Batch: 21834
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	110		1	110	7.1	46-153	20	11/17/2009 1117
Benzene	50	44		1	88	0.73	70-130	20	11/17/2009 1117
Bromodichloromethane	50	45		1	89	1.1	70-130	20	11/17/2009 1117
Bromoform	50	41		1	82	1.2	70-130	20	11/17/2009 1117
Bromomethane (Methyl bromide)	50	49		1	98	11	60-140	20	11/17/2009 1117
2-Butanone (MEK)	100	94		1	94	1.9	60-140	20	11/17/2009 1117
Carbon disulfide	50	49		1	99	5.6	60-140	20	11/17/2009 1117
Carbon tetrachloride	50	47		1	94	3.6	70-130	20	11/17/2009 1117
Chlorobenzene	50	43		1	86	0.63	70-130	20	11/17/2009 1117
Chloroethane	50	39		1	78	6.4	42-163	20	11/17/2009 1117
Chloroform	50	46		1	92	3.0	70-130	20	11/17/2009 1117
Chloromethane (Methyl chloride)	50	39		1	79	8.5	20-158	20	11/17/2009 1117
Cyclohexane	50	45		1	89	3.8	70-130	20	11/17/2009 1117
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	9.1	70-130	20	11/17/2009 1117
Dibromochloromethane	50	46		1	91	0.25	70-130	20	11/17/2009 1117
1,2-Dibromoethane (EDB)	50	42		1	84	2.4	70-130	20	11/17/2009 1117
1,2-Dichlorobenzene	50	46		1	92	2.6	70-130	20	11/17/2009 1117
1,3-Dichlorobenzene	50	45		1	90	0.30	70-130	20	11/17/2009 1117
1,4-Dichlorobenzene	50	45		1	89	0.83	70-130	20	11/17/2009 1117
Dichlorodifluoromethane	50	34		1	68	7.3	60-140	20	11/17/2009 1117
1,2-Dichloroethane	50	45		1	90	0.26	70-130	20	11/17/2009 1117
1,1-Dichloroethane	50	44		1	87	3.2	70-130	20	11/17/2009 1117
cis-1,2-Dichloroethene	50	44		1	89	4.1	70-130	20	11/17/2009 1117
trans-1,2-Dichloroethene	50	45		1	90	3.8	70-130	20	11/17/2009 1117
1,1-Dichloroethene	50	44		1	89	5.6	70-130	20	11/17/2009 1117
1,2-Dichloropropane	50	45		1	90	2.4	70-130	20	11/17/2009 1117
trans-1,3-Dichloropropene	50	48		1	97	1.6	70-130	20	11/17/2009 1117
cis-1,3-Dichloropropene	50	44		1	87	1.5	70-130	20	11/17/2009 1117
1,4-Dioxane	500	510		1	102	6.2	43-173	20	11/17/2009 1117
Ethylbenzene	50	46		1	92	0.87	70-130	20	11/17/2009 1117
2-Hexanone	100	87		1	87	0.98	60-140	20	11/17/2009 1117
Isopropylbenzene	50	48		1	95	2.6	70-130	20	11/17/2009 1117
Methyl acetate	50	49		1	98	4.5	15-128	20	11/17/2009 1117
Methyl tertiary butyl ether (MTBE)	50	48		1	96	4.1	70-130	20	11/17/2009 1117
4-Methyl-2-pentanone	100	90		1	90	1.6	60-140	20	11/17/2009 1117
Methylcyclohexane	50	47		1	95	1.9	70-130	20	11/17/2009 1117
Methylene chloride	50	44		1	88	7.7	70-130	20	11/17/2009 1117
Styrene	50	47		1	93	1.2	70-130	20	11/17/2009 1117
1,1,2,2-Tetrachloroethane	50	44		1	87	5.6	70-130	20	11/17/2009 1117
Tetrachloroethene	50	45		1	90	0.72	70-130	20	11/17/2009 1117
Toluene	50	45		1	90	2.8	70-130	20	11/17/2009 1117
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	83	8.6	70-130	20	11/17/2009 1117
1,2,4-Trichlorobenzene	50	59		1	118	5.9	70-130	20	11/17/2009 1117
1,1,2-Trichloroethane	50	40		1	80	2.4	70-130	20	11/17/2009 1117

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: KQ21834-003
Batch: 21834
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	47		1	94	4.7	70-130	20	11/17/2009 1117
Trichloroethene	50	46		1	91	2.6	70-130	20	11/17/2009 1117
Trichlorofluoromethane	50	46		1	92	1.0	60-140	20	11/17/2009 1117
Vinyl chloride	50	39		1	79	6.5	60-140	20	11/17/2009 1117
Xylenes (total)	100	93		1	93	1.6	70-130	20	11/17/2009 1117

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		92	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: KQ22033-001
Batch: 22033
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	11/19/2009 0037
Benzene	ND		1	0.50	ug/L	11/19/2009 0037
Bromodichloromethane	ND		1	0.50	ug/L	11/19/2009 0037
Bromoform	ND		1	0.50	ug/L	11/19/2009 0037
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	11/19/2009 0037
2-Butanone (MEK)	ND		1	10	ug/L	11/19/2009 0037
Carbon disulfide	ND		1	0.50	ug/L	11/19/2009 0037
Carbon tetrachloride	ND		1	0.50	ug/L	11/19/2009 0037
Chlorobenzene	ND		1	0.50	ug/L	11/19/2009 0037
Chloroethane	ND		1	0.50	ug/L	11/19/2009 0037
Chloroform	ND		1	0.50	ug/L	11/19/2009 0037
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	11/19/2009 0037
Cyclohexane	ND		1	0.50	ug/L	11/19/2009 0037
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	11/19/2009 0037
Dibromochloromethane	ND		1	0.50	ug/L	11/19/2009 0037
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	11/19/2009 0037
1,4-Dichlorobenzene	ND		1	0.50	ug/L	11/19/2009 0037
1,3-Dichlorobenzene	ND		1	0.50	ug/L	11/19/2009 0037
1,2-Dichlorobenzene	ND		1	0.50	ug/L	11/19/2009 0037
Dichlorodifluoromethane	ND		1	0.50	ug/L	11/19/2009 0037
1,2-Dichloroethane	ND		1	0.50	ug/L	11/19/2009 0037
1,1-Dichloroethane	ND		1	0.50	ug/L	11/19/2009 0037
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	11/19/2009 0037
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	11/19/2009 0037
1,1-Dichloroethene	ND		1	0.50	ug/L	11/19/2009 0037
1,2-Dichloropropane	ND		1	0.50	ug/L	11/19/2009 0037
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	11/19/2009 0037
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	11/19/2009 0037
1,4-Dioxane	ND		1	5.0	ug/L	11/19/2009 0037
Ethylbenzene	ND		1	0.50	ug/L	11/19/2009 0037
2-Hexanone	ND		1	10	ug/L	11/19/2009 0037
Isopropylbenzene	ND		1	0.50	ug/L	11/19/2009 0037
Methyl acetate	ND		1	1.0	ug/L	11/19/2009 0037
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	11/19/2009 0037
4-Methyl-2-pentanone	ND		1	10	ug/L	11/19/2009 0037
Methylcyclohexane	ND		1	5.0	ug/L	11/19/2009 0037
Methylene chloride	ND		1	0.50	ug/L	11/19/2009 0037
Styrene	ND		1	0.50	ug/L	11/19/2009 0037
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	11/19/2009 0037
Tetrachloroethene	ND		1	0.50	ug/L	11/19/2009 0037
Toluene	ND		1	0.50	ug/L	11/19/2009 0037
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	11/19/2009 0037
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	11/19/2009 0037
1,1,2-Trichloroethane	ND		1	0.50	ug/L	11/19/2009 0037

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: KQ22033-001
Batch: 22033
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	11/19/2009 0037
Trichloroethene	ND		1	0.50	ug/L	11/19/2009 0037
Trichlorofluoromethane	ND		1	0.50	ug/L	11/19/2009 0037
Vinyl chloride	ND		1	0.50	ug/L	11/19/2009 0037
Xylenes (total)	ND		1	0.50	ug/L	11/19/2009 0037

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		93	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 - LCS

Sample ID: KQ22033-002
Batch: 22033
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	78		1	78	46-153	11/18/2009 2229
Benzene	50	52		1	105	70-130	11/18/2009 2229
Bromodichloromethane	50	51		1	103	70-130	11/18/2009 2229
Bromoform	50	50		1	100	70-130	11/18/2009 2229
Bromomethane (Methyl bromide)	50	55		1	110	60-140	11/18/2009 2229
2-Butanone (MEK)	100	83		1	83	60-140	11/18/2009 2229
Carbon disulfide	50	55		1	111	60-140	11/18/2009 2229
Carbon tetrachloride	50	50		1	100	70-130	11/18/2009 2229
Chlorobenzene	50	51		1	102	70-130	11/18/2009 2229
Chloroethane	50	57		1	114	42-163	11/18/2009 2229
Chloroform	50	50		1	101	70-130	11/18/2009 2229
Chloromethane (Methyl chloride)	50	60		1	121	20-158	11/18/2009 2229
Cyclohexane	50	50		1	101	70-130	11/18/2009 2229
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	83	70-130	11/18/2009 2229
Dibromochloromethane	50	50		1	101	70-130	11/18/2009 2229
1,2-Dibromoethane (EDB)	50	47		1	95	70-130	11/18/2009 2229
1,4-Dichlorobenzene	50	49		1	97	70-130	11/18/2009 2229
1,3-Dichlorobenzene	50	49		1	98	70-130	11/18/2009 2229
1,2-Dichlorobenzene	50	48		1	97	70-130	11/18/2009 2229
Dichlorodifluoromethane	50	77	N	1	154	60-140	11/18/2009 2229
1,2-Dichloroethane	50	49		1	98	70-130	11/18/2009 2229
1,1-Dichloroethane	50	52		1	104	70-130	11/18/2009 2229
trans-1,2-Dichloroethene	50	51		1	101	70-130	11/18/2009 2229
cis-1,2-Dichloroethene	50	52		1	105	70-130	11/18/2009 2229
1,1-Dichloroethene	50	51		1	102	70-130	11/18/2009 2229
1,2-Dichloropropane	50	53		1	106	70-130	11/18/2009 2229
trans-1,3-Dichloropropene	50	50		1	100	70-130	11/18/2009 2229
cis-1,3-Dichloropropene	50	53		1	106	70-130	11/18/2009 2229
1,4-Dioxane	500	360		1	71	43-173	11/18/2009 2229
Ethylbenzene	50	52		1	104	70-130	11/18/2009 2229
2-Hexanone	100	90		1	90	60-140	11/18/2009 2229
Isopropylbenzene	50	50		1	99	70-130	11/18/2009 2229
Methyl acetate	50	50		1	101	15-128	11/18/2009 2229
Methyl tertiary butyl ether (MTBE)	50	51		1	101	70-130	11/18/2009 2229
4-Methyl-2-pentanone	100	94		1	94	60-140	11/18/2009 2229
Methylcyclohexane	50	55		1	110	70-130	11/18/2009 2229
Methylene chloride	50	54		1	108	70-130	11/18/2009 2229
Styrene	50	53		1	105	70-130	11/18/2009 2229
1,1,2,2-Tetrachloroethane	50	45		1	90	70-130	11/18/2009 2229
Tetrachloroethene	50	53		1	106	70-130	11/18/2009 2229
Toluene	50	53		1	106	70-130	11/18/2009 2229
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	101	70-130	11/18/2009 2229
1,2,4-Trichlorobenzene	50	52		1	103	70-130	11/18/2009 2229
1,1,2-Trichloroethane	50	49		1	98	70-130	11/18/2009 2229

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: KQ22033-002
Batch: 22033
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	50		1	100	70-130	11/18/2009 2229
Trichloroethene	50	53		1	107	70-130	11/18/2009 2229
Trichlorofluoromethane	50	56		1	112	60-140	11/18/2009 2229
Vinyl chloride	50	61		1	122	60-140	11/18/2009 2229
Xylenes (total)	100	100		1	104	70-130	11/18/2009 2229

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		84	70-130
Toluene-d8		93	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: KQ22033-003
Batch: 22033
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	82		1	82	5.0	46-153	20	11/18/2009 2251
Benzene	50	52		1	104	0.68	70-130	20	11/18/2009 2251
Bromodichloromethane	50	51		1	103	0.26	70-130	20	11/18/2009 2251
Bromoform	50	51		1	102	1.6	70-130	20	11/18/2009 2251
Bromomethane (Methyl bromide)	50	55		1	110	0.088	60-140	20	11/18/2009 2251
2-Butanone (MEK)	100	89		1	89	6.1	60-140	20	11/18/2009 2251
Carbon disulfide	50	55		1	110	0.77	60-140	20	11/18/2009 2251
Carbon tetrachloride	50	50		1	100	0.29	70-130	20	11/18/2009 2251
Chlorobenzene	50	51		1	101	0.97	70-130	20	11/18/2009 2251
Chloroethane	50	57		1	113	0.51	42-163	20	11/18/2009 2251
Chloroform	50	51		1	102	1.1	70-130	20	11/18/2009 2251
Chloromethane (Methyl chloride)	50	60		1	121	0.045	20-158	20	11/18/2009 2251
Cyclohexane	50	50		1	100	0.41	70-130	20	11/18/2009 2251
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	84	0.91	70-130	20	11/18/2009 2251
Dibromochloromethane	50	51		1	101	0.57	70-130	20	11/18/2009 2251
1,2-Dibromoethane (EDB)	50	47		1	94	1.1	70-130	20	11/18/2009 2251
1,4-Dichlorobenzene	50	49		1	97	0.074	70-130	20	11/18/2009 2251
1,3-Dichlorobenzene	50	48		1	96	1.4	70-130	20	11/18/2009 2251
1,2-Dichlorobenzene	50	48		1	96	1.1	70-130	20	11/18/2009 2251
Dichlorodifluoromethane	50	75	N	1	150	2.5	60-140	20	11/18/2009 2251
1,2-Dichloroethane	50	49		1	99	0.98	70-130	20	11/18/2009 2251
1,1-Dichloroethane	50	52		1	105	0.18	70-130	20	11/18/2009 2251
trans-1,2-Dichloroethene	50	51		1	103	1.3	70-130	20	11/18/2009 2251
cis-1,2-Dichloroethene	50	53		1	105	0.72	70-130	20	11/18/2009 2251
1,1-Dichloroethene	50	51		1	102	0.30	70-130	20	11/18/2009 2251
1,2-Dichloropropane	50	53		1	106	0.17	70-130	20	11/18/2009 2251
trans-1,3-Dichloropropene	50	50		1	100	0.0040	70-130	20	11/18/2009 2251
cis-1,3-Dichloropropene	50	52		1	105	1.1	70-130	20	11/18/2009 2251
1,4-Dioxane	500	370		1	74	4.1	43-173	20	11/18/2009 2251
Ethylbenzene	50	52		1	104	0.26	70-130	20	11/18/2009 2251
2-Hexanone	100	90		1	90	0.20	60-140	20	11/18/2009 2251
Isopropylbenzene	50	49		1	98	0.77	70-130	20	11/18/2009 2251
Methyl acetate	50	51		1	101	0.34	15-128	20	11/18/2009 2251
Methyl tertiary butyl ether (MTBE)	50	51		1	102	0.81	70-130	20	11/18/2009 2251
4-Methyl-2-pentanone	100	94		1	94	0.31	60-140	20	11/18/2009 2251
Methylcyclohexane	50	54		1	109	1.0	70-130	20	11/18/2009 2251
Methylene chloride	50	55		1	109	1.4	70-130	20	11/18/2009 2251
Styrene	50	52		1	105	0.23	70-130	20	11/18/2009 2251
1,1,2,2-Tetrachloroethane	50	45		1	90	0.66	70-130	20	11/18/2009 2251
Tetrachloroethene	50	53		1	106	0.52	70-130	20	11/18/2009 2251
Toluene	50	52		1	105	1.3	70-130	20	11/18/2009 2251
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	101	0.43	70-130	20	11/18/2009 2251
1,2,4-Trichlorobenzene	50	52		1	105	1.5	70-130	20	11/18/2009 2251
1,1,2-Trichloroethane	50	49		1	98	0.092	70-130	20	11/18/2009 2251

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: KQ22033-003
Batch: 22033
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	50		1	100	0.58	70-130	20	11/18/2009 2251
Trichloroethene	50	53		1	106	1.2	70-130	20	11/18/2009 2251
Trichlorofluoromethane	50	50		1	100	11	60-140	20	11/18/2009 2251
Vinyl chloride	50	61		1	122	0.56	60-140	20	11/18/2009 2251
Xylenes (total)	100	100		1	104	0.44	70-130	20	11/18/2009 2251

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		86	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

TAL Metals - MB

Sample ID: KQ21674-001
Batch: 21674
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 11/13/2009 1800

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	0.20	mg/L	11/13/2009 2335
Arsenic	ND		1	0.010	mg/L	11/13/2009 2335
Barium	ND		1	0.025	mg/L	11/13/2009 2335
Cadmium	ND		1	0.0020	mg/L	11/13/2009 2335
Chromium	ND		1	0.0050	mg/L	11/13/2009 2335
Copper	ND		1	0.0050	mg/L	11/13/2009 2335
Iron	ND		1	0.10	mg/L	11/13/2009 2335
Lead	ND		1	0.010	mg/L	11/13/2009 2335
Magnesium	ND		1	5.0	mg/L	11/13/2009 2335
Manganese	ND		1	0.015	mg/L	11/13/2009 2335
Nickel	ND		1	0.040	mg/L	11/13/2009 2335
Silver	ND		1	0.0050	mg/L	11/13/2009 2335
Zinc	ND		1	0.020	mg/L	11/13/2009 2335

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: KQ21674-002
Batch: 21674
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 11/13/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	20	20		1	99	80-120	11/13/2009 2339
Arsenic	0.40	0.41		1	103	80-120	11/13/2009 2339
Barium	2.0	2.1		1	105	80-120	11/13/2009 2339
Cadmium	0.40	0.40		1	100	80-120	11/13/2009 2339
Chromium	2.0	1.9		1	97	80-120	11/13/2009 2339
Copper	2.0	2.0		1	99	80-120	11/13/2009 2339
Iron	20	20		1	98	80-120	11/13/2009 2339
Lead	0.40	0.41		1	103	80-120	11/13/2009 2339
Magnesium	40	42		1	105	80-120	11/13/2009 2339
Manganese	2.0	1.9		1	97	80-120	11/13/2009 2339
Nickel	2.0	2.0		1	101	80-120	11/13/2009 2339
Silver	0.40	0.40		1	100	80-120	11/13/2009 2339
Zinc	2.0	2.1		1	103	80-120	11/13/2009 2339

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: KQ21674-003
Batch: 21674
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 11/13/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	20	20		1	99	0.11	80-120	20	11/13/2009 2343
Arsenic	0.40	0.42		1	105	1.9	80-120	20	11/13/2009 2343
Barium	2.0	2.1		1	106	0.46	80-120	20	11/13/2009 2343
Cadmium	0.40	0.40		1	101	1.1	80-120	20	11/13/2009 2343
Chromium	2.0	1.9		1	97	0.058	80-120	20	11/13/2009 2343
Copper	2.0	2.0		1	100	1.2	80-120	20	11/13/2009 2343
Iron	20	20		1	99	0.71	80-120	20	11/13/2009 2343
Lead	0.40	0.41		1	103	0.46	80-120	20	11/13/2009 2343
Magnesium	40	42		1	106	1.3	80-120	20	11/13/2009 2343
Manganese	2.0	2.0		1	99	1.2	80-120	20	11/13/2009 2343
Nickel	2.0	2.0		1	101	0.29	80-120	20	11/13/2009 2343
Silver	0.40	0.40		1	101	0.31	80-120	20	11/13/2009 2343
Zinc	2.0	2.1		1	104	0.58	80-120	20	11/13/2009 2343

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: KK13011-012MS
Batch: 21674
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 11/13/2009 1800

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	11/14/2009 0025
Arsenic	ND	0.40	0.41		1	104	75-125	11/14/2009 0025
Barium	0.089	2.0	2.2		1	107	75-125	11/14/2009 0025
Cadmium	ND	0.40	0.40		1	101	75-125	11/14/2009 0025
Chromium	ND	2.0	2.0		1	99	75-125	11/14/2009 0025
Copper	0.12	2.0	2.2		1	102	75-125	11/14/2009 0025
Iron	ND	20	20		1	99	75-125	11/14/2009 0025
Lead	ND	0.40	0.41		1	103	75-125	11/14/2009 0025
Magnesium	8.6	40	51		1	107	75-125	11/14/2009 0025
Manganese	ND	2.0	2.0		1	100	75-125	11/14/2009 0025
Nickel	ND	2.0	2.0		1	101	75-125	11/14/2009 0025
Silver	ND	0.40	0.41		1	101	75-125	11/14/2009 0025
Zinc	0.030	2.0	2.1		1	104	75-125	11/14/2009 0025

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: KQ21827-001
Batch: 21827
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 11/17/2009 1800

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	11/17/2009 2029

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: KQ21827-002
Batch: 21827
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 11/17/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0018		1	89	85-115	11/17/2009 2033

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: KQ21827-003
Batch: 21827
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 11/17/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	93	5.0	85-115	20	11/17/2009 2037

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: KQ21888-001
Batch: 21888
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 11/17/2009 1800

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	11/17/2009 2158

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: KQ21888-002
Batch: 21888
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 11/17/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0018		1	89	85-115	11/17/2009 2201

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: KQ21888-003
Batch: 21888
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 11/17/2009 1800

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0018		1	91	2.2	85-115	20	11/17/2009 2204

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 **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 103029

NCDENR - DWM

Client: Inactive Hazardous Sites Branch	Report to Contact: Dwayne Peterson	Telephone No. / Fax No. / E-mail: dwayne.peterson@ncdenr.gov	Quote No.
Address: 401 Oberlin Rd, Suite 150	Sampler's Signature: X	Account No.	Page of
City: Raleigh; State: NC; Zip Code: 27605	Printed Name: Dwayne Peterson	Analysis (Attach list if more space is needed.)	
Project Name: Brown Residence			
Project No.	P.O. No.		Lab No. KK13011

Sample ID - Description (Containers for each sample may be combined on one line.)	Date	Time	Composite	Grab	Matrix: Aqueous	Soil	Non-Aqueous	Containers: Glass	Plastic	HCl	HNO3	NaOH	H2SO4	VOC +10 Dichlorane	Metals	Remarks / Cooler ID
FB-01	11/12/09	9:45		✓						1	3			✓	✓	
FB-02	11/12/09	10:10		✓						1	3			✓	✓	
FB-03	11/12/09	10:45		✓						1	3			✓	✓	
FB-05	11/12/09	11:15		✓						1	3			✓	✓	
FB-06	11/12/09	11:40		✓						1	3			✓	✓	
FB-09	11/12/09	12:00		✓						1	3			✓	✓	
FB-11	11/12/09	1:00		✓						1	3			✓	✓	
FB-12	11/12/09	12:30		✓						1	3			✓	✓	

Pass for Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client X Dispose by Lab

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

Turn Around Time Required (Prior lab approval required for expedited TAT.): X Standard ☐ Rush (specify)

QC Requirements (Specify):

1. Relinquished by: [signature]	Date: 11/12/09	Time: 3:20	1. Received by: Fed Ex.	Date: 11/12/09	Time: 3:20
2. Relinquished by:	Date:	Time:	2. Received by:	Date:	Time:
3. Relinquished by: FEDEX	Date: 11-13-09	Time: 0820	3. Laboratory received by: [signature]	Date: 11-13-09	Time: 0820

Comments:

LAB USE ONLY: Received on ice (Circle) (Yes) No Ice Pack. Receipt Temp. 2.5 °C

DISTRIBUTION: WHITE & YELLOW - Return to laboratory with Samples, PINK - Lab/Client Copy

Document Number F-AL-012 Effective Date 05-01-09

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 103028

NC DENR - DWM

Client: Inactive Hazardous Sites Branch	Report to Contact: Dwayne Peterson	Telephone No. / Fax No. / E-mail: dwayne.peterson@ncdenr.gov	Order No.
Address: 401 Oberlin Rd, Suite 150	Sampler's Signature:	Waybill No.	Page ___ of
City: Raleigh; State: NC; Zip Code: 27605	Printed Name: Dwayne Peterson	Analysis (Attach list if more space is needed)	
Project Name			

Project No.	P.O. No.			Matrix				No. of Containers by Preservative Type																								Lab No.
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Composite	Aqueous	Solid	Air		Unpres.	HNO3	HCl	H2SO4	NaOH	ZnAc/NaOH	VOC + TX Diesel	Metals																Remarks / Cooler I.D.
BH-05	11/10/09	9:25		✓								3			✓																	
BR-03	11/10/09	10:00		✓								3			✓																	
BR-07	11/10/09	10:30		✓								3			✓																	
G-01	11/10/09	11:50		✓							1	3			✓	✓																
G-09A	11/10/09	12:20		✓							1	3			✓	✓																
G-09B	11/10/09	12:50		✓							1	3			✓	✓																

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

Sample Disposal: Return to Client | Disposal by Lab

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

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

QC Requirements (Specify):

1. Relinquished by:	Date: 11/12/09	Time: 3:20	1. Received by: Fed Ex	Date: 11/12/09	Time: 3:20
2. Relinquished by:	Date:	Time:	2. Received by:	Date:	Time:
3. Relinquished by: FEDex	Date: 11/13/09	Time: 0820	3. Laboratory received by:	Date: 11/13/09	Time: 0820
Comments:			LAB USE ONLY: Received on Ice: Yes No Ice Chest	Storage Temp: 2-5 °C	

DISTRIBUTION: WHITE & YELLOW (Return to laboratory with Sample) PINK (Field Chain Copy)

Document Number: F-AD-012 Effective Date: 08/04/02

Shealy Environmental Services, Inc.
Document Number: SOP-015
Revision Number: 6

Page 1 of .
Replaces Date: 09/22/06
Effective Date: 05/23/07

Sample Receipt Checklist (SRC)

Client: NC DENR Cooler Inspected by/date: EZ 11/13/07 Lot #: KK13011

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	NA ☐	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/temperature upon receipt: 2.1 °C / °C / °C / °C / °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 ☐	NA ☐	5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	6. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	7. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	8. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	9. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	10. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	12. Was adequate sample volume available?
Yes ☐	No ☑	NA ☐	13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	14. Were any samples containers missing?
Yes ☑	No ☐	NA ☐	15. Were there any excess samples not listed on COC? Trip Blank
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/HLM/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) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?

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.

Toxicity sample(s) ____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐
SESI employee: ____ Date of response: ____
Comments: ____